

19990125.qrp v01_n347.qrl.990125

Date: Mon, 25 Jan 1999 19:03:22 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1347

QRP-L Digest 1347

Topics covered in this issue include:

- 1) [30762] 40 meter beacon....
by Fred Lesnick <flesnick@tbaytel.net>
- 2) [30763] inrad filters
by K4NK@aol.com
- 3) [30764] Want Argonaut 509
by Daniel R Case <drcase@iastate.edu>
- 4) [30765] HW Sprint
by dave_epps@juno.com
- 5) [30766] Re: Antenna ??'s
by Dave Marling <dbm@klis.com>
- 6) [30767] Re: New Topic Heading TCI-RFI-FCC
by Rex E Pickett <heatherex@juno.com>
- 7) [30768] RE: (Thanks) Metal Chassis cutting, how do you;
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 8) [30769] FS Yaesu FT-1000D
by James Skalski <jskalski@buffnet.net>
- 9) [30770] 10 meter beacon
by "WILLIAM T. ROSE" <supertec@mail.myriad.net>
- 10) [30771] Re: More on short verticals
by W6RCecila <w6rca@ibm.net>
- 11) [30772] Re: FS: 38 Special + Doug Hauff Case + Tick 3
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
- 12) [30773] Looking for solar regulator?
by Paul Erickson <paule@sfu.ca>
- 13) [30774] Antenna feed question
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 14) [30775] HHWS results (so far keep em coming)
by Patrick M Kvitkauskas <pmk@juno.com>
- 15) [30776] re:software
by ntan <ntan@crosslink.net>
- 16) [30777] FS: Unbuilt Emtech ZM-1 Z Match ATU
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 17) [30778] Re:H-brewing
by ntan <ntan@crosslink.net>
- 18) [30779] Postings that don't show up
by Chuck Adams <adams@ticnet.com>
- 19) [30780] Re: Y2K Y1K Y0K

- by Chris Trask <ctrask@primenet.com>
- 20) [30781] Final call for QRP Hall of Fame
by Mike Czuhajewski <wa8mcq@erols.com>
- 21) [30782] Re: Postings that don't show up
by "John J. McDonough" <jjmcd@tm.net>
- 22) [30783] HW 'test
by Dan Presley <talljazz@teleport.com>
- 23) [30784] Re: Postings that don't show up
by Jeff Johns <jeffj@scott.net>
- 24) [30785] Re: inrad filters
by Vic Rosenthal <rakefet@rakefet.com>
- 25) [30786] Gamma Match
by Jeff Johns <jeffj@scott.net>
- 26) [30787] Mini Paddle
by Jeff Johns <jeffj@scott.net>
- 27) [30788] Iowa QRP Building Contest Results
by "John Burnley" <burnley-ia@worldnet.att.net>
- 28) [30789] FOX: W8RU Fox Report for 22 Jan 99
by majewski@erim-int.com (Ron Majewski)
- 29) [30790] FOX: W8RU Fox Log for 22 Jan 99
by majewski@erim-int.com (Ron Majewski)
- 30) [30791] ANTENNA RELAYS.
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 31) [30792] Re: ANTENNA RELAYS.
by Ron Stark <ku7y@dri.edu>
- 32) [30793] my list
by K4NK@aol.com
- 33) [30794] FS: Heath SA-2040 antenna tuner
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 34) [30795] RE: ANTENNA RELAYS.
by "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
- 35) [30796] PSK31
by K4AHK@ix.netcom.com
- 36) [30797] Update HHWS results (so far keep em coming)
by Patrick M Kvitkauskas <pmk@juno.com>
- 37) [30798] fancy posts
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 38) [30799] charging a battery
by "Mark Paley" <mpaley@wcnet.org>
- 39) [30800] Making Circuit Boards ! QUESTIONS
by Dominique.FERRAND@st.com
- 40) [30801] Linux
by "dor" <elbc@pivot.net>
- 41) [30802] Re: Postings that don't show up
by "Robert Roach" <KE4QOK@worldnet.att.net>
- 42) [30803] Re: Antenna ??'s
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 43) [30804] Re: 10 meter beacon

by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
44) [30805] Re: Antenna feed question
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
45) [30806] old QRPp ???
by Dick Pascoe <Dick@kanga.demon.co.uk>
46) [30807] Vernier binding, shaft misalignment, flex coupling
by Peter_Simpson@ne.3com.com
47) [30808] Re: Noise in Receivers (Was OLD RADIO OR NEW?) HELP\
by Zack Lau <zlau@arrl.org>
48) [30809] Re: [HomeBrew] Metal Chassis cutting, how do you;
by John Evans - N0HJ <jaevars@codenet.net>
49) [30810] RE: Problem with voltage reg. - Solved
by "S. M. Whitehouse" <ke4yh@email.msn.com>
50) [30811] Argo 509
by DSJKALLEN@aol.com
51) [30812] PSK31 from an expert! Corrected Addr
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
52) [30813] Fw: Lack of controversy..
by "brent smith" <brent_smith@ncsu.edu>
53) [30814] Re: Fw: Lack of controversy..
by "Bryan Turner" <turnerw@email.uah.edu>
54) [30815] Elmer205
by Brad Mugleston <bmug@gwl.com>
55) [30816] Fireball 40 and the Ugly Weekender
by "George Heron" <gheron@nac.net>
56) [30817] kit comparisons url
by "brent smith" <brent_smith@ncsu.edu>
57) [30818] Atlanticon "Fact Sheet"
by "George Heron" <gheron@nac.net>
58) [30819] Semi and pseudo-QRP
by "Christopher Brewster" <brewsq@excite.com>
59) [30820] Re: PSK31
by Bill Jones <kd7s@psnw.com>
60) [30821] OHR500 Review
by Jeff Davis <jeff@jehosopha.com>
61) [30822] OHR 100A
by "Robert B. Callahan" <rbcallahan@juno.com>
62) [30823] Re: OKAY stupid newbie
by DNT1@daimlerchrysler.com
63) [30824] Off my chest
by Brian Murrey <brian@iquet.net>
64) [30825] Re: Semi and pseudo-QRP
by "Bryan Turner" <turnerw@email.uah.edu>
65) [30826] Re: fancy posts
by "Caitlyn M. Martin" <cait.martin@ibm.net>
66) [30827] RE: Super CMOS Keyer III problem
by Larry East <w1hue@amsat.org>
67) [30828] FS: OHR-400

- by Bill Wetherill <n2wg@wilmington.net>
- 68) [30829] Re: Semi and pseudo-QRP
by Jeff Johns <jeffj@scott.net>
- 69) [30830] Re: fancy posts
by Jeff Johns <jeffj@scott.net>
- 70) [30831] Re: Semi and pseudo-QRP
by W5TB <w5tb@SoftHome.net>
- 71) [30832] Lumped quarter-wave lines
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
- 72) [30833] Re: fancy posts
by "Mike Yetsko" <myetsko@insydesw.com>
- 73) [30834] Re: Off my chest
by Vic Rosenthal <rakefet@rakefet.com>
- 74) [30835] RE: 1999 QRP-L Heathkit Hot Water Sprint (HHWS)
by DNT1@daimlerchrysler.com
- 75) [30836] NC-20 mailing begins
by "James W. Cates" <wager@juno.com>
- 76) [30837] Oscilloscope ideas
by Robsparks@aol.com
- 77) [30838] NVIS freq/TOD etc.
by Jim Glover <psykey@okcforum.org>
- 78) [30839] Re: Lumped quarter-wave lines
by jeverhar@cse.l-3com.com
- 79) [30840] Ham needs help in Fort Wayne IN
by Scott Howell <whowell@hq.nasa.gov>
- 80) [30841] Re: OKAY Stupid Newbie ??
by Russ Hines <radioruss@fuse.net>
- 81) [30842] WTB NC20
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 82) [30843] Re: Off my chest
by Brian Murrey <brian@iquest.net>
- 83) [30844] Semi and pseudo-QRP
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 84) [30845] PSK31 es IC-706, No Problem
by John R Kirby <n3aaz-qrp@juno.com>
- 85) [30846] needed: live demo of SW40+, Bay area of CA
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 86) [30847] Best J-pole construction Sketch.
by Ed Loranger <we6w@qsl.net>
- 87) [30848] NorCal 20 Ships, More info
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 88) [30849] Re: Semi and pseudo-QRP
by DNT1@daimlerchrysler.com
- 89) [30850] Re: Semi and pseudo-QRP
by "Marshall Emm" <mgemm@mtechnologies.com>
- 90) [30851] Re: Antenna feed question
by Zack Lau <zlau@arrl.org>
- 91) [30852] battery help

- by "Mark Paley" <mpaley@wcnet.org>
- 92) [30853] Re: Semi and pseudo-QRP
by "Caitlyn M. Martin" <cait.martin@ibm.net>
- 93) [30854] Reversing lead-acid battery sulfation
by Jim Glover <psykey@okcforum.org>
- 94) [30855] Shack cleaning sale
by "David Maliniak" <dmaliniak@penton.com>
- 95) [30856] LM301 users take heed!
by jeverhar@cse.l-3com.com
- 96) [30857] Re: Semi and pseudo-QRP
by af852@rgfn.epcc.edu (William R Colbert)
- 97) [30858] Re: Off my chest
by Jeff Johns <jeffj@scott.net>
- 98) [30859] Re: Off my chest
by Bob Hightower <ki7mn@extremezone.com>
- 99) [30860] Re: Best J-pole construction Sketch.
by Norm Melick <henmel@worldnet.att.net>
- 100) [30861] RE: Ham needs help in Fort Wayne IN
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
- 101) [30862] LDG tuner sold
by "David Maliniak" <dmaliniak@penton.com>
- 102) [30863] Re: == NEED SOURCES FOR CW KEYERS ==
by DNT1@daimlerchrysler.com
- 103) [30864] RE: Ham needs help in Fort Wayne IN
by Sam Billingsley <SBillingsley@usaninc.com>
- 104) [30865] Re: Best J-pole construction Sketch.
by Ed Loranger <we6w@qsl.net>
- 105) [30866] Re: Off my chest
by "Frank West" <ke6vbm@earthlink.net>
- 106) [30867] FOX:(not so)Superbowl Fox N0UR going deep tomorrow!
by Jim N0UR <n0ur@yahoo.com>
- 107) [30868] Re: Off my chest
by Dave Sjolín <sjolin@swbell.net>
- 108) [30869] "Where's my QRP Quarterly?"
by "George Heron" <gheron@nac.net>
- 109) [30870] Re: Off my chest
by "Ed Hare, W1RFI" <ehare@arrl.org>
- 110) [30871] [Fwd: Re: NVIS freq/TOD etc.]
by W7LS <w7ls@blarg.net>
- 111) [30872] Bencher Paddles sold
by "David Maliniak" <dmaliniak@penton.com>
- 112) [30873] Re: FOX:(not so)Superbowl Fox N0UR going deep tomorrow!
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 113) [30874] Still a discount from ByteMark on Amidon products?
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 114) [30875] Ten-Tec Scout
by David Maliniak <dmaliniak@penton.com>
- 115) [30876] Oscilloscope Suggestions

by Guy Dragoo <GDRAG@proedge.com>
116) [30877] PSK31, DX
by Bob Edwards <w4ed@flash.net>
117) [30878] scopes
by Andy C Meng <andymeng@juno.com>
118) [30879] The accidental Beacon --Side effect of AR Millennium test.
by Ed Loranger <we6w@qsl.net>
119) [30880] Hawaii 15 meters
by "Larry H. Lyda" <wa4pjp@volstate.net>
120) [30881] FS/Trade Hallicrafters S120 Reciever
by "Francis Callahan" <colcal@srv.net>
121) [30882] FS/Trade RS dx-394
by cd25d@clnk.com (Bill Slater)
122) [30883] NC40A case
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
123) [30884] HHWS LAST CALL FOR RESULTS
by Patrick M Kvitkauskas <pmk@juno.com>
124) [30885] Re: [FYBO] Winter Gear List for Texan Field Ops
by Joe Gervais <vole@primenet.com>

Date: Sun, 24 Jan 1999 19:13:20 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: njqrp <njqrp@njqrp.org>, "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [30762] 40 meter beacon....
Message-ID: <36ABB71F.F0AB461D@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thinking of running my VA3SBB call on 40 tonight for a few hours running
1 watt from my OHR rig...Anyone suggest a good frequency as to not make
too many folks mad...
Fred VE3FAL-VA3SBB/BCN

Date: Sun, 24 Jan 1999 19:18:48 EST
From: K4NK@aol.com
To: qrp-l@Lehigh.EDU
Subject: [30763] inrad filters
Message-ID: <c6f2bbfd.36abb868@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang;

Has anybody had any dealings with International Radio. I looked at their list and looks good to me. I am interested in a CW filter they offer. Also would anyone on the list have a copy of a manual for a TS-530 Kenwood?

As for the list I posted today I have recieved over 75 replys, some of the items are taken. Thanks for the response.

73 Les K4NK

Date: Sun, 24 Jan 1999 18:50:17 CST
From: Daniel R Case <drcase@iastate.edu>
To: qrp-1@Lehigh.EDU
Subject: [30764] Want Argonaut 509
Message-ID: <199901250050.SAA14319@isua1.iastate.edu>

Greetings fellow QRP enthusiasts:

I am looking for an Argonaut 509 in working order. Please contact me via e-mail at drcase@iastate.edu if you have one for sale.

Thanks & 73,
Dan KB0JUL
Ames, Iowa

Date: Sun, 24 Jan 1999 17:00:07 -0800
From: dave_epps@juno.com
To: qrp-1@lehigh.edu
Subject: [30765] HW Sprint
Message-ID: <19990124.170013.-108335.6.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Didn't know there were soo many HW-9's out there.
I didn't fire up the HW-8 as wanted to see how my OHR-500 worked.
I got a lot of good comments on the OHR-500's signal. It is amazing how Dick got such a low noise factor in the receiver.
Used the rainbow-knot dipole with ldg-qrp tuner and worked great for

an antenna/feedline that weighs 4 ounces and will fit in your pocket.
I just might get bitten by the contesting bug.
dave ab5pc fresno, ca.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 24 Jan 1999 20:54:41 -0400
From: Dave Marling <dbm@klis.com>
To: qrp-1@Lehigh.EDU
Subject: [30766] Re: Antenna ??'s
Message-ID: <36ABC0D1.CA2B40D5@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> antenna wire. Using a high-voltage insulated wire solved my extreme
> static electricity problem which caused arcing inside my transceiver.

Here in the north country (Canada), precipitation in the form of snow
will cause static build-up on a dipole to the point where I have seen
arcing across the station end of the braid and center connector of RG58.

Dave
VE1VQ
Nova Scotia

Date: Fri, 22 Jan 1999 15:58:23 -0600
From: Rex E Pickett <heatherex@juno.com>
To: k5rov@wcc.net
Cc: qrp-1@Lehigh.EDU
Subject: [30767] Re: New Topic Heading TCI-RFI-FCC
Message-ID: <19990124.185202.-956743.0.heatherex@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

See "It seems to us...", page 9 Feb 1999 QST. Looks
Article says TCI will replace devices if they are causing
a problem. They are supposedly operating at

3.53MHz! Looks like ARRL will be helping out on this problem.

73, Rex, KA7NQk

Date: Sun, 24 Jan 1999 17:11:07 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "'HomeBrew'" <homebrew@qth.net>
Subject: [30768] RE: (Thanks) Metal Chassis cutting, how do you;
Message-ID: <000a01be47ff\$95fa6440\$9505b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

No fewer than 30 replies. This has got to be the best group in Amateur Radio.

Thanks to one and all.

72/73!

Roger KD6CC

Date: Sun, 24 Jan 1999 18:20:43 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: qrp-1@Lehigh.EDU
Subject: [30769] FS Yaesu FT-1000D
Message-ID: <Pine.LNX.4.03.9901241805460.883-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a Yaesu FT1000D that I haven't used in a year. It has a problem. Of all things....I only used it at 2 watts ...honest. When I tried to get it up to 200watts output; it wouldn't go. I checked the circuit and discussed it with Yaesu. We came to the conclusion that one of the diodes in the SWR foldback circuit was bad. I changed the diodes to 1n270's . It worked for a while then went to qrp. I finally located the actual diodes and replaced them as per yaesu. The output is still 2 watts. It may be a problem with the SWR balance control. It may be the finals

although I certainly didn't abuse them at 2 watts!

This rig is the top of the line Yaesu...the best they have ever made with all the bells and whistles. It is *the* best production radio available and the best receiver I have ever owned. It is in excellent/mint/as new cosmetically. It has the latest rom chip and updates. It has also a new matching speaker model SP-5. I have the owners manual and shop manual. I have a rig that needs fixin' and neither the time nor the talent to do it. I always prided myself as being able to fix anything if given enough time I could eventually figure it out. Time is indeed money. There is no other flaw other than what I mentioned above.

Make an offer to buy it and fix it or to fix it.

73,

Jim N2go

Date: Sun, 24 Jan 1999 19:32:27 -0600
From: "WILLIAM T. ROSE" <supertec@mail.myriad.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30770] 10 meter beacon
Message-ID: <36ABC9AB.3D5EAD92@mail.myriad.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A friend of mine down here in Texas has a Beacon on 28.195+ - a few
and would like to receive some reports the call is NOPTB/B the
output
is 1 watt. If you have the time to listen you can QSL him at his
QRZ data base callbook address or send me your reports at
Supertec@myriad.net
Thanks Guys and Gals,

--
KC5SCCBILL
"Deep in the Heart of Texas" BRYAN, TX
Emtech 80/20 80m & 40m ---Knightlite Smite 80m ---Pixie II 40m
Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm
Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2 2m
Crushcraft A14820T 2m Beam

Date: Sun, 24 Jan 1999 18:40:29 -0700
From: W6RCecila <w6rca@ibm.net>
To: qrp-1@lehigh.edu
Subject: [30771] Re: More on short verticals
Message-ID: <36ABCB8D.5F22@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Date: Sun, 24 Jan 1999 15:40:50 -0700
From: W6RCecila <w6rca@ibm.net>
Subject: [30757] More on short verticals

If one has a full size 40m vertical and wants to use it on 75m, a top hat with 16 radials of 10ft each will come close to resonating it on 75m with only a sacrifice of 0.5dB according to EZNEC.

I'm sorry, make that eight top hat radials of 10ft each OR 16 top hat radials of 5ft each.

--
73, Cecil, W6RCA <http://www.bigfoot.com/~w6rca>

Date: Sun, 24 Jan 1999 18:56:49 MST
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [30772] Re: FS: 38 Special + Doug Hauff Case + Tick 3
Message-ID: <19990125015650.25355.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

The 38 Special is sold. Thanks to everyone who replied!

72,
Jerry
W0MC

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sun, 24 Jan 1999 18:02:16 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: qrp-1@lehigh.edu (qrp)
Cc: qrp-canada@lists.gpfn.sk.ca (qrp-canada)
Subject: [30773] Looking for solar regulator?
Message-ID: <199901250202.SAA11026@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi There,

I'm looking for suggestions for a regulator for a solar panel array. I want to charge batteries as well as run qrp rigs direct when the sun is right. I have the handbook circuit. I would prefer to build, and will consider a kit.

Any other suggestions?

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Sun, 24 Jan 1999 18:19:16 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <cebik@utkux.utcc.utk.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30774] Antenna feed question
Message-ID: <19990125022017.HIAY8444@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have put together a 6M Yagi (three element) from ARRL Antenna Handbook design. The Handbook antenna shows a balanced feed with the driven element insulated from the boom. I have constructed, instead, a "plumber's delight" version in which the drive element is not insulated from the boom. But I have had some difficulty building a GAMMA match what will tune out the reactance. In fact -- I can't even tell if the GAMMA has too little or too much C!

Do any of the antenna gurus have advice on building a gamma matching device or other "plumber's delight" feed system? Or do you experts suggest I return to the handbook-designed balanced input feed (HAIRPIN) with balun

matching device?

Please and thank-you, and 73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Mon, 25 Jan 1999 02:20:47 +0000
From: Patrick M Kvitkauskas <pmk@juno.com>
To: qrp-l@lehigh.edu
Subject: [30775] HHWS results (so far keep em coming)
Message-ID: <19990125.022048.12838.1.pmk@juno.com>

points call name rig QRP-L# QTH
37 K5LN Bill HW-9 ?????? ?????
?????
21 K5ZTY Bill HW-8 473 Houston,Tx.
19 W7SSM John HW-8 1048 Bakersfield,
Ca
18 HP1AL Cam HW-9 ???? Panama
9 N0AR Scott HW-8 1455 ????? ?????
8 KE4BAF David HW-9 1840 Vienna, Va
8 KD4OBQ Patrick HW-7 1009 Orlando,
Fl.
5 K1QM Joel QRP+ 337 Concord, Ma
3 WE6W Ed OHR-100 1068 ??????????

I sure hope there are more to be sent in so heres
a look at what I have received so far.

72 de Patrick KD4OBQ

AR

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 23 Jan 1999 21:57:03 -0500
From: ntan <ntan@crosslink.net>
To: QRP-L <qrp-l@lehigh.EDU>

Subject: [30776] re:software
Message-ID: <36AA8BF5.70513C57@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who gave me sites to check out for using the PC for making up schematic. I think though, I will stick to drawing them by hand. Not as complex! I don't have a printer, and I just wanted to save them on the ole PC.VE3VFN- I've tried TinyCad before I posted my query, but becuz I don't have a printer, it wouldn't allow me to use it, it just kept telling me a printer wasn't connected then it would shut down. Oh well.-- Thanks anyway.....Keep it LOW es 72 Neil WA4CHQrp

Date: Sun, 24 Jan 1999 21:50:38 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [30777] FS: Unbuilt Emtech ZM-1 Z Match ATU
Message-ID: <199901250250.VAA77736@pimout3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I have the last of Roy Gregson W6EMT's (SK) ZM-1 Z Match tuners for sale for \$50 plus shipping (price I paid).

Going to build my own, thanks to Charlie Lofgren W6JJZ for an excellent article, James Bennett KA5DVS/6 and David Maliniak N2SMH for showing me his Z Match at a NJ-QRP Club meeting last year.

If you're interested please let me know. Thanks

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sat, 23 Jan 1999 22:07:33 -0500
From: ntan <ntan@crosslink.net>
To: QRP-L <qrp-l@lehigh.EDU>

Subject: [30778] Re:H-brewing
Message-ID: <36AA8E6C.D966F949@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for all the info about the dbm- for my 15m project. And John,
NB1I thanks for the new site!
Just wondering, if I keep fiddling with my custom dbm, and I have the
correct injection voltage from the vfo, other then hearing beautiful cw
out of the cans, I do I know the dbm I brewed is o.k.?-----cul es keep
it LOW de Neil, WA4CHQrp

Date: Sun, 24 Jan 99 21:06:32 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [30779] Postings that don't show up
Message-ID: <E104cIu-00067J-00@smtp.ticnet.com>

Gang,

Everyday I get an email or two about postings that
people send to QRP-L that do not show up. There
are two things that most likely prevent the message
from going through.

1. ATTACHMENTS are not allowed. Period. Jim
terminates these as they cause problems, can be
very large, security issues to some sites, and the
list goes on and on.
2. HTML is not allowed as most viewers of QRP-L
are looking at ASCII and it is the lowest common
denominator for people using juno.com, etc.

So, if you are having a problem posting, then check
for one of the two conditions above. Please.

Also, if you are going to change ISPs, then make sure
you unsub from the old one first, then resub from the new
one. Do not worry about your secret QRP-L number.
It is issued for life and will not change or go away. If
you get a new call, then Jim can change it in the database.

That outta take care of a few problems for now.

dit dit es FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60

<http://www.ticnet.com/k5fo>

Date: Sun, 24 Jan 1999 20:54:48 -0700 (MST)

From: Chris Trask <ctrask@primenet.com>

To: Donald E Sanders <w4bws@juno.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [30780] Re: Y2K Y1K Y0K

Message-ID: <Pine.BSI.3.96.990124205343.15654A-100000@usr01.primenet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 24 Jan 1999, Donald E Sanders wrote:

> Yeah, they had to go from fins to toes to count.

>

> On Wed, 20 Jan 1999 22:03:53 -0500 Hank Kohl K8DD <k8dd@contesting.com>

> writes:

> >Everyone is concerned over the problems with Y2K. It is really a

> >small problem, a very small problem, switching from 1999 to 2000 and

> > beyond.

> >

> >Just think of the problems of Y0K (YzeroK) when the world went through

> >the conversion from counting down the minus BC years in a negative

> >direction to counting up the positive AD year numbers and counting in

> >a positive direction. That must have been an absolute mess, and they

> >didn't even have computers!

> >

>

It was so bad that they crucified the fellow who caused it.

```

      ,-----,
      /   What's all this   \
     / extinct stuff, anyhow? \
      \ -----,-----'
      _ | /
oo\
(--) \
      _

```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240



Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sun, 24 Jan 1999 23:00:08 -0500
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: Bob Gobrick <rgobrick@worldnet.att.net>, Buck Switzer <n8cqa@tir.com>, Byron Johnson <byron8lcz@aol.com>, Cam Bailey <kt3a@juno.com>, Danny Gingell <k3tks@abs.net>, Dave Johnson <wa4nid@amsat.org>, Hank Kohl <k8dd@contesting.com>, Jim Stafford <W4Q0@amsat.org>, Subject: [30781] Final call for QRP Hall of Fame
Message-ID: <36ABEC48.5216@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's just about that time--as announced previously, the deadline for submitting nomination letters for the QRP Hall of Fame for 1999 is the end of January. If you want to nominate someone for possible induction this year, you still have a few days left.

Remember, we need good, solid nominating letters giving details on why they deserve to be in the QRP Hall of Fame. It's not enough to say "I nominate Joe Blow because he deserves it." You have to make a convincing case that he belongs in the QRP Hall of Fame. And don't forget, this is a *QRP* Hall of Fame. Outside achievements are nice, but don't help them get into the QRP Hall of Fame.

I once again received, by snail mail, a nomination of someone a person had nominated unsuccessfully in the past. It looks like he pulled the same letter off his computer disk from a couple years back--going on and on

about what a great guy the nominee is, and all the wonderful things he did and the people he helped, but very little of it was related to QRP. Sorry, only QRP achievements and accomplishments help get someone into the QRP Hall of Fame!

If you'd like to nominate someone for the QRP HoF, who isn't already in it, you have until the end of January to get it to me. After that, I collate everything, send it off to the voting body for a couple weeks of discussion, and then eventually hold a vote. The inductees, if any, will be announced at Dayton this year.

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Sun, 24 Jan 1999 23:05:53 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30782] Re: Postings that don't show up
Message-ID: <004201be4818\$03a65540\$010044c0@mdp23b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

From: Chuck Adams <adams@ticnet.com>

>2. HTML is not allowed as most viewers of QRP-L

If you are using Outlook Express:

- Select 'Options....' under the 'Tools' menu
- Click on the 'Send' tab
- Under 'Mail Sending Format' click 'Plain Text'
- Click Ok

If you are using Netscape's mail, at least some versions will automatically switch to HTML if you apply ANY formatting, so when posting to QRP-L (or any reflector) be sure you don't bold, underline or color anything or select any fonts.

And Chuck *THANK YOU*! I've been wondering why the messages that take

fishing around the properties sheets to discover the source so I can read the message have quit showing up!

72/73 de WB8RCR <http://users.tm.net/jjmcd/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 24 Jan 1999 19:53:17 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-1@LeHigh.edu
Subject: [30783] HW 'test'
Message-ID: <v03007801b2d1993ef3d3@[216.26.4.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Had fun with this event-only was able to be on Sunday for a short time, but worked 5 guys; 4 of them 'HW'. I also convinced N0PL to fire up his HW8-he wasn't aware of the event. My equipment is a 'loaner' from KA7OZ0,Dave, and I was using an all 'HW' station; HW9,matching power supply,speaker,ATU and wattmeter all made for the HW series (bonus points??). Dave also has the '8 and '7; a real collector! I,too ,experienced BCI until I used the ATU; normally I just go direct to my vertical which is well matched on most bands. My apologies for the poor fist-with no outboard keyer, it was 'SK'. A fun chance to play with these rigs.

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Sun, 24 Jan 1999 22:24:34 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30784] Re: Postings that don't show up
Message-ID: <199901250424.WAA09636x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Sun, 24 Jan 1999 23:05:53 -0500, "John J. McDonough" <jjmcd@tm.net> wrote:

> >2. HTML is not allowed as most viewers of QRP-L

I wish *all* mailing lists would filter out or not allow HTML postings. They can be a real pain for those of us that use clients that don't support HTML. I never could understand why email has gone from a very basic form of communication in the simple ascii form to clients that post messages in HTML format, I guess it's just another way for our lives to be complicated. I think this is one reason I'm so attracted to CW QRP. CW is a simple way of communicating with the least amount of wasted airwave bandwidth, just like I like my email <grin>. Everybody have fun!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Sun, 24 Jan 1999 20:24:44 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: K4NK@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30785] Re: inrad filters
Message-ID: <36ABF20C.AB02941D@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

K4NK@aol.com wrote:

>

> Has anybody had any dealings with International Radio. I looked at their
> list and looks good to me. I am interested in a CW filter they offer.

I just replaced the cw filters in my TS850s with a pair of INRAD filters. I ordered them on a Friday and received them on Monday. They are definitely more effective than the original Kenwood filters in eliminating very strong nearby signals. They claim much sharper skirts; subjectively they sound that way. They are expensive (\$235 for a pair) compared to used Kenwood filters, but they

are cheaper than new Kenwood units (viz. AES catalog).

I am quite happy with the improvement I got for my investment (I sold the old filters quickly).

73,
Vic, K2VCO
Fresno CA

Date: Sun, 24 Jan 1999 22:42:39 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [30786] Gamma Match
Message-ID: <199901250442.WAA12617x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Earlier today one list memeber posed a question about a gamma match. I'm sorry but I accidentally deleted the posting so I am having to send this to the list. The September '98 issue of 73 magazine has a great aricle in the Above & Beyond column about gamma matches. If the person that needs the info could email me a fax number, I would be happy to fax a copy of the article to them.

On a related note, could someone that has either a Dec '98 or Jan '99 issue of 73 contact me. There was supposed to be mention of me in Jack Heller's column 'The Digital Port' and my local newstand hasn't had copies since November :(I'm just curious if he made mention of me. Okay, I admit it, I'm vain and want to see my name in print <grin>.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Sun, 24 Jan 1999 22:48:08 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [30787] Mini Paddle
Message-ID: <199901250448.WAA13415x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I just purchased a NIB Paddlette Mini Paddle with leg strap from an individual online. Does anyone have any comments about this paddle?

73 Jeff

----- Jeff Johns W4JEF - AMSAT# 32615 -----
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA

Date: Sun, 24 Jan 1999 23:22:38 -0600
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>, <qrp-1@lehigh.edu>
Subject: [30788] Iowa QRP Building Contest Results
Message-ID: <19990125052429.GNRP14015@burnley-ppp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Iowa QRP Club held it's January meeting this past Saturday (1/23/99) at the Urbandale Library in Urbandale, IA. During the meeting, the judging for

the first annual building contest was held. There were many outstanding entries, plus other goodies for show-n-tell. The following were just some of the projects brought by members: FOX TTL transmitter interfaced with Tick Keyer chip, homebrew regen receiver, homebrew 15 mtr SST transceiver, Small Wonder Labs GM 17, LCD autotuner, OHR WM-2 wattmeter, Wilderness NorCal 40 A, KnightSmite, Pixie 2, Ten-Tec 1054 receiver, homebrew active antenna, Dan's NW80/20, homebrew tuner, homebrew power supply, NorCal paddles, and a Slinky dipole. Paul Sipes (KB0JIT) had the impossible task of judging the entries. I'm very pleased to announce the winners:

Grand Prize: Tick EMB keyer kit (donated by Embedded Research) to Mike (KI0AF) for the homebrew 15 meter SST. It was a work of art. Mike used the most beautiful 'ugly' construction I've ever seen. He used a hand punch to cut out small circular pads from circuit board material and glued them to another circuit board. The components were then soldered to these pads.

Class Prizes: Copies of the 'Antenna Experimenters Guide' by Peter Dodd. The books were donated by John (NU0V). One copy went to Larry (WB0RMT) for his NorCal paddles. He really did an outstanding job! The other copy of the book went to Alex (KC0EBK) for his Ten-Tec 1054 receiver. An FB job from a very young ham!

I would like to thank Gary and Brad from Embedded Research for donating the Tick EMB kit to the club. I would also like to thank Bill Kelsey of Kanga US for giving me a very favorable price on the Peter Dodd books. Finally, a big round of thanks to Paul (KB0JIT) for judging the contest. The contest was a lot of fun and those attending the meeting decided to do it again next year!

72/73, John NU0V

Date: Mon, 25 Jan 1999 00:27:03 -0500
From: majewski@erim-int.com (Ron Majewski)
To: qrp-l@lehigh.edu
Cc: prvalko@oakland.edu
Subject: [30789] FOX: W8RU Fox Report for 22 Jan 99
Message-ID: <199901250527.AAA17405@sdag200a>

Hello to All-

Another hunt has come and gone in the wink of an eye. The action was fast and furious and I completely lost track of time for the two hours I was on the air.

My preparation time was rather limited. The kids needed baths and story time, so I didn't get down to the shack until 0150utc. The band was extremely noisy (s5-s9), but I had no trouble finding an open frequency. The output power was checked and rechecked, and I started with the yagi pointing due west.

My opening CQ was immediately answered by Jim (NOUR) and others, but Jim's callsign locked into my brain and he claimed the first shred of pelt for the evening. My hand was shaking as the adrenaline started to pour into my bloodstream. Tom (W1EAT) got the second QSO and we were off and running. I didn't have to start using the RIT until the fifth or sixth QSO. There were a lot of callers all bobbing up and down at the noise level. The QRN was definitely limiting what I could copy.

I felt like I got into a groove more quickly this time around. The first hour blitzed by; I was writing furiously up and down multiple pages in my notebook and desperately trying to keep it all organized to make my job easier today.

The noise got worse as the hunt continued. Fortunately I had put up a pseudo-beverage antenna for 160m a month ago, and that antenna often helps improve signal-to-noise on 40m too. Tonight I found that it helped quite a bit, especially on medium distance (Texas) and short distance (Michigan) contacts. For those that are interested, a pseudo-beverage (PB) is my term for a much-less-than-optimum beverage. My PB is about 100ft long and about 8ft high. A real beverage for 160m should be around 500ft long. Maybe someday. Anyway, my PB did help. I also used a coaxial loop antenna and my 40m delta loop to help cut through the noise.

I would like to thank all you hounds for keeping the pileup orderly. In addition, my listening frequency was always clear save for the hound I was working, and I appreciate that. I've heard some pretty poor behavior in some recent CW DX pileups on the low end of 40m. It's good to see that foxhunters keep the bar of operating quality set high.

The bottom line was 64 contacts across 23 states and 3 Canadian Provinces. The toughest QSO of the evening was KI0II. Between the noise and fatigue, those three "I"s were warped by my brain into a variety of incorrect letters.

I may be troubling some of you for a QSL card. I have discovered that between the Foxhunt and the CW SS I've managed to work all states QRP on 40m. If you can believe it, Louisiana was the tough one to get -- not Alaska or Hawaii. If you'd like a QSL from me, just drop your card in the mail and I'll get my card back to you in short order.

Thanks to all of you for a most enjoyable evening and for allowing me to be a Fox this season. This is simply a blast and I can't wait to get to do it again.

72,

Ron (W8RU).

Date: Mon, 25 Jan 1999 00:28:05 -0500
From: majewski@erim-int.com (Ron Majewski)
To: qrp-l@lehigh.edu
Cc: prvalko@oakland.edu
Subject: [30790] FOX: W8RU Fox Log for 22 Jan 99
Message-ID: <199901250528.AAA17410@sdag200a>

Time	Station	Fox	Hound	Hound	Hound	Hound	Hound
UTC	Worked	RST	RST	QTH	Name	QRP-L	Power
0200	n0ur 599	559	mn	jim 799			
0201	w1eat	559	559	vt tom		1w	
0202	k0evz	579	559	nd doc	861		
0203	n1fn 559	559	co	marshall	1153		
0205	kg2lo	579	579	nj roland		1445	
0206	k1qm 579	559	ma	joel	337		
0207	ku7y 579	559	nv	ron	17		
0209	ka4bm	559	449	fl jim		5w	
0210	nq7x 569	559	az	floyd	343		
0213	ak7y 559	559	az	greg	1693		
0215	ai4cw	349	559	al don	1670		
0217	k5zty	559	559	tx bill	473		
0218	n0ea 559	559	mo	wayne	1058		
0220	n5lu 599	559	ok	bill	5w		
0222	w8sff	559	559	mi steve	1288		

0223	aa5ta	569	559	tx	larry	1245
0225	w5sb 449	569		tx	bill	1279
0226	ab5ua	579	559	ok	cliff	478
0228	n5tw 559	559		tx	tom	1474
0229	w0rsp	569	559	sd	ade	661
0230	w0ch 579	579		mo	dave	618
0231	n5ji 569	559		tx	dick	1054
0232	k5on 559	559		nm	gary	770
0234	k1oj 559	559		tx	oj	732
0235	k4ima	589	559	ky	pete	4w
0236	k5jhp	579	579	tx	bill	825
0237	k7tq 559	559		id	randy	102
0239	ve7cqk	599	569	bc	paul	20
0240	k5up 559	559		ok	glen	21
0242	ab7ce	559	559	mt	roy	4w
0243	kb7ww	579	559	or	art	290
0244	ab5wx	559	559	tx	dave	1718
0246	ve6ewm	559	559	ab	carl	1076
0249	k6vnx	559	559	ca	arlen	1175
0250	ww7y 559	559		ut	steve	94
0252	k5oi 559	559		nm	tim	73
0253	kf4ksm	569	559	fl	mac	704
0255	k2vco	559	559	ca	vic	725
0257	kk5ld	559	449	tx	dad	5w
0258	w5hns	449	449	tx	henry	178
0300	k5ln 339	549		tx	bill	1794
0301	ab7my	599	559	az	gary	571
0303	ka5t 449	449		tx	larry	89
0303	kq5u 559	559		tx	terry	1603
0305	kk5ld	559	559	tx	dad	5w
0307	n1tp 579	559		fl	tom	1317
0310	ab8df	449	449	mi	ed	1444
0311	we6w 569	449		ca	ed	1068
0313	wn6hyx	449	449	ca	mary	1779
0315	n6wg 339	449		ca	bob	26
0317	w4vct	579	449	ky	pete	1721
0319	ab5wx	559	559	tx	dave	1718
0321	kd2kw	599	559	tx	ken	5w
0324	k5ln 599	449		tx	bill	1794
0329	ki0ii	559	449	co	ron	928
0332	ws4s 559	449		tn	conard	993
0334	ks4l 569	449		al	mac	468
0339	ve5rc	339	559	sk	bruce	886
0344	ws8d 449	449		mi	steve	1188
0348	af5z 579	559		tx	bob	984
0349	k5nz 559	559		tx	mike	5w
0353	kk5wl	559	339	tx	gary	330
0357	k8cv 339	339		mi	walt	935

0359 w2xn 559 559 fl fred 1728

Date: Sun, 24 Jan 1999 23:04:15 -0700
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [30791] ANTENNA RELAYS.
Message-ID: <1.5.4.16.19990124235616.1e7ff11a@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I am gathering information and parts for my spring project. Wondering if anyone has any experience using car horn relays to switch RF, how did they work i.e. problems etc. Or has anyone used a different type such as DPDT or DPST connecting both contacts in parallel, did this have any effect on the Z?

72 de Niels
VE6NJK/TF3NJ

CALGARY, AB

Date: Sun, 24 Jan 1999 22:34:09 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: Niels Jensen Kristjansson <nkristja@cadvision.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30792] Re: ANTENNA RELAYS.
Message-ID: <Pine.SOL.3.96.990124222941.24967D-1000000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 24 Jan 1999, Niels Jensen Kristjansson wrote:

> I am gathering information and parts for my spring project. Wondering if
> anyone has any experience using car horn relays to switch RF, how did they
> work i.e. problems etc. Or has anyone used a different type such as DPDT or
> DPST connecting both contacts in parallel, did this have any effect on the Z?

Date: Mon, 25 Jan 1999 02:42:53 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Cc: forsale-swap@qth.net
Subject: [30794] FS: Heath SA-2040 antenna tuner
Message-ID: <Pine.LNX.3.95.990125024146.31928P-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's big, it handles a lot of power. 80-10m, roller inductor, good shape with manual.

No meters.

\$100.

Thanks!

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Mon, 25 Jan 1999 09:43:38 +0100
From: "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
To: "qrp-l list" <qrp-l@lehigh.edu>
Subject: [30795] RE: ANTENNA RELAYS.
Message-ID: <199901250916.KAA20775@mb05.swip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hello Niels

> I am gathering information and parts for my spring project. Wondering =
> if
> anyone has any experience using car horn relays to switch RF, how did =
> they
> work i.e. problems etc. Or has anyone used a different type such as =
> DPDT or
> DPST connecting both contacts in parallel, did this have any effect on =

the Z?

Car horn relays probably has silver contacts, or something cheaper, =
which is
good for high currents. There is a risk that they will create problems =
on receive
due to the small signal. Normally, gold plated contacts are used for =
"dry
switching" which means switching *very* small signals. If you have DP?T
relays with paralleled contacts, the risk will be less of course.

Regarding Z, the good old rule of thumb applies:

"If it's only a small fraction of a wavelength, it doesn't matter." ;-)

(I assume you are going to use the relays below 30 MHz?)

73, Johan, SM6LKM

Date: Mon, 25 Jan 1999 06:18:47 -0500
From: K4AHK@ix.netcom.com
To: qrp-l mail <qrp-l@Lehigh.EDU>
Subject: [30796] PSK31
Message-ID: <36AC5312.1E4C@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Where does one read about PSK31 ??

Bill Harding - K4AHK
Burke, VA (near D.C.)

Date: Mon, 25 Jan 1999 11:19:37 +0000
From: Patrick M Kvitkauskas <pmk@juno.com>
To: qrp-l@lehigh.edu
Subject: [30797] Update HHWS results (so far keep em coming)
Message-ID: <19990125.111938.12838.3.pmk@juno.com>

points call name rig QRP-L# QTH
37 K5LN Bill HW-9 ?????? ?????

?????

21 K5ZTY Bill HW-8 473 Houston, Tx.
19 W7SSM John HW-8 1048 Bakersfield,
Ca
18 HP1AL Cam HW-9 ???? Panama
14 AB7MY Gary HW-9 571 Chandler, Az
9 N0AR Scott HW-8 1455 ???? ????
9 N7CQR Dan HW-9 502 ???? ????
8 KE4BAF David HW-9 1840 Vienna, Va
8 KD4OBQ Patrick HW-7 1009 Orlando,
Fl.
6 K4JPN Steve HW-9 1095 Warner Robins
Ga.
5 K1QM Joel QRP+ 337 Concord, Ma
3 WE6W Ed OHR-100 1068 Santa Rosa Ca.

I sure hope there are more to be sent in so heres
a look at what I have received so far.

72 de Patrick KD4OBQ

AR

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 25 Jan 1999 06:24:19 -0500
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@lehigh.edu
Subject: [30798] fancy posts
Message-ID: <19990125122001.AJB1798@default>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You know, there seems to be a rash of HTML and other
fancy posts.

I suppose that's all right, but if you're just saying you did
well in the fox hunt, it's going to confuse a lot of people.
Eudora 4 presents you with a skeleton picture, and you can bring
up the browser, but that seems kind of silly.

Still it's a free country. (actually, I begin to wonder). I vote
for plain old ascii!

73 jerry w8gnd

Date: Mon, 25 Jan 1999 06:28:47 -0500
From: "Mark Paley" <mpaley@wcnet.org>
To: <qrp-1@Lehigh.EDU>
Subject: [30799] charging a battery
Message-ID: <008b01be4855\$e1056600\$d7ab85cd@mpaley>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay,

 This is something I knew years ago when I took my Novice, General, and Advanced exams. Some eleven years later I can't remember the answer--they say with age the memory is the second thing to go--I can't remember what goes first!

 In any case here is the problem: I have a small motorcycle battery--12v, 6.5 Ah. Haven't used it in years but think it will come in handy when doing some camping and Qrp stuff. I tried re-charging it but it continues to only read about 5.5 v. The battery is a rechargeable lead-calcium battery. Is the battery caput? My charger seems okay. Any suggestions.

Thanks,

Mark Paley--KF8KL--

<http://www.wcnet.org/~mpaley>
yogis_dad@hotmail.com

Date: Mon, 25 Jan 1999 11:01:23 +0100
From: Dominique.FERRAND@st.com
To: qrp-1@Lehigh.EDU
Subject: [30800] Making Circuit Boards ! QUESTIONS
Message-ID: <H000028104c8a0a6@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII; name="Making"

Content-Disposition: inline; filename="Making"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello

I am very interesty "Making Circuit Boards" Wath is "the P-n-P film " ?
please

Dominique F6EPW TKS 73

Date: Mon, 25 Jan 1999 06:47:57 -0500
From: "dor" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30801] Linux
Message-ID: <000b01be4858\$8e6d4400\$5e1199d0@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

Though I suppose that the recent Linux Thread was not really qrp.. I did
follow it with great interest.. just goes to show that Qrper's like to be on
the cutting edge of Techno stuff..

Thought some of you might Like to know that the newest Linux Kern is
Scheduled for Release sometime today.. so keep an eye out on your favorite
Linux sight for the updated version.. think it is 2.2

73 KC1DI

Date: Mon, 25 Jan 99 07:05:52 PST
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [30802] Re: Postings that don't show up
Message-ID: <MAPI.Id.0016.004534514f4b20203030303630303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hello Everyone,

I saw Chuck's message and thought I might add to
the part on attachments. I have several friends

who send me mail and the text area is always blank.
The message text comes as an attachment. They
all swear that they installed there mail program in the
standard fashion and that it is working just fine. I'm
sure that there is a way to fix this in the options but
the point is that it may not be obvious from the sending
end that it is happening.

73
KE4QOK
Bob

> people send to QRP-L that do not show up. There
> are two things that most likely prevent the message
> from going through.
>
> 1. ATTACHMENTS are not allowed. Period. Jim
> terminates these as they cause problems, can be
> very large, security issues to some sites, and the
> list goes on and on.

Date: Mon, 25 Jan 1999 07:06:13 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Dave Marling <dbm@klis.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30803] Re: Antenna ??'s
Message-ID: <Pine.GS0.3.96.990125065823.11170E-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 24 Jan 1999, Dave Marling wrote:

>> antenna wire. Using a high-voltage insulated wire solved my extreme
>> static electricity problem which caused arcing inside my transceiver.
>
>Here in the north country (Canada), precipitation in the form of snow
>will cause static build-up on a dipole to the point where I have seen
>arcing across the station end of the braid and center connector of RG58.

Static build-up on doublets and dipoles is common--as are the cures. For
a low impedance transmission line, like coax, an RF choke in the 100
microH to 1 milliH range will provide a continuous DC path for charges to

reach the braid, assuming the braid and rig are well grounded at the other end. For multi-band doublets, where the impedances encountered may be high on some bands, you can install a pair of 50k to 100k Ohm resistors to ground where the line meets the shack--on the antenna side of any switches, etc. to keep the discharge path continuous during disconnect, unless the antenna leads are grounded in that operation. Bleeding the charge as it forms is an effective way not only of eliminating dangerous arcs, but as well it can decrease pops and other static noise created as the antenna-feedline find their own discharge paths across dirt/salt build-up on insulators/insulation.

The continuous discharge technique applies also to verticals and--in fact--to any antenna, regardless of the wire/tubing type, etc. that does not already have (though matching networks, etc.) such a path already. It is one of those practices that I would not wait to use until I found a problem. Install it as a precautionary measure so the problem cannot arise. The receiver front-end you save may be your own.

-73-

LB, W4RNL

 Date: Mon, 25 Jan 1999 07:39:58 -0500 (EST)
 From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
 To: "WILLIAM T. ROSE" <supertec@mail.myriad.net>
 Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Subject: [30804] Re: 10 meter beacon
 Message-ID: <Pine.GS0.3.96.990125073832.11170G-100000@moe.cas.utk.edu>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

A fairly complete list of 10-meter beacons world-wide is maintained by WJ50 and is accessible from the 10-10 web site (URL in the signature line below). Go to the 10-meter operating aid section and click on the beacons list link.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off)(423) 974-7215
1434 High Mesa Drive	/ \/\ \/\	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX)(423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu

10-10 #41159 tenten-1 coordinator <http://www.lehigh.edu/lists/tenten-1/>

Date: Mon, 25 Jan 1999 07:46:29 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Alan Kaul W6RCL <alan.kaul@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30805] Re: Antenna feed question
Message-ID: <Pine.GS0.3.96.990125074048.11170H-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Alan,

Rather than a gamma match, I would recommend a Tee match for better balance. A Tee would require that the driven element be a bit inductive--that is, longer than resonant in the beam environment. The ARRL designs tend to use shorter than resonant driven elements expressly for beta matching. A Tee, incidentally, is often set for a 200 Ohm impedance, with a 4:1 balun at the feed point. K6STI's program, Y0, has a module for designing Tee matches, where you can eliminate the capacitor(s) by setting the program to a very high value of capacitance (0.01 mF) indicating negligible capacitive reactance in the Tee design.

The first step in the process seems to me to be finding the resonant length of the driver, which may not be identical in a plumber's delight configuration to the resonant length when insulated from the boom. Then you can proceed to make changes in the directions needed for any kind of match.

Hope this is useful.

-73-

LB, W4RNL

Date: Mon, 25 Jan 1999 13:10:49 +0000
From: Dick Pascoe <Dick@kanga.demon.co.uk>
To: gqrp-1@blacksheep.org
Cc: qrp-1@lehigh.edu

Subject: [30806] old QRPP ???
Message-ID: <Ln17vCAZ1Gr2Ew6E@kanga.demon.co.uk>
MIME-Version: 1.0

Am I the only one to just receive a QRPP dated Autumn 1998 outside
and dated 'fall 98' on the inside?

Doug also refers to the forthcoming Pacificon hamfest which took place
last October!

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Mon, 25 Jan 1999 08:15:21 -0500
From: Peter_Simpson@ne.3com.com
To: qrp-1@lehigh.edu
Subject: [30807] Vernier binding, shaft misalignment, flex coupling
Message-ID: <85256704.0049B96C.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I use plastic tubing of an appropriate ID to connect
misaligned shafts. Works well for short distances and
slight misalignment. I didn't think it up, just saw
it somewhere and tried it.

Hardware stores usually have thick walled polyethylene
tubing in various IDs. I used some teflon spaghetti
on a 1/16" shaft.

72,
Peter, KA1AXY

Date: Mon, 25 Jan 1999 09:10:58 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-1@lehigh.edu
Subject: [30808] Re: Noise in Receivers (Was OLD RADIO OR NEW?) HELP\
Message-ID: <36AC7B72.692198AB@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The receiver should be connected to a termination of the proper impedance when
when measuring its noise level.--Zack W1VT

Date: Mon, 25 Jan 1999 07:19:44 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@lehigh.edu
Subject: [30809] Re: [HomeBrew] Metal Chassis cutting, how do you;
Message-ID: <36AC7D80.57FAA309@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings,

For those folks who are into making cases out of sheet aluminum, etc., Harbor Freight has their 12 inch shear, brake, and slip roll machine on sale now for \$179.99. Their website is www.harborfreight.com and the item number is 35969-2VGA. Also, they have most of the manuals for their products on line.

I purchased this unit when I started to make my own cases for rigs, the first one being the Sierra case, and it made life a lot easier to cut and bend it. I don't use the slip roll at all (maybe if I design a rig that needs a flue). I had to clean up the unit a bit on arrival since it comes gunked up with some thick lube to keep it from rusting in storage and also had to tweak it to get the alignment just right.

If you have any particular questions about the tool, let me know.

72 - john - n0hj

Date: Mon, 25 Jan 1999 09:06:11 -0500
From: "S. M. Whitehouse" <ke4yh@email.msn.com>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [30810] RE: Problem with voltage reg. - Solved
Message-ID: <000201be486d\$9eeeb260\$7f45fcd0@default>

Hi folks. I want to thank all those who responded with suggestions. Adding a load resistor on the output brought the voltage down to within specs. It didn't take much, I used a 2.2k for about 7ma and the regulator output dropped from 22.5 to 15.2 volts.

Other suggestions included caps across the input/output and a diode across the output. Both of these are shown on the device spec sheet and will be included on the final power supply.

Spec sheets for STMicroelectronics devices are available at <www.st.com> in both text and Adobe Reader .pdf formats.

Brian you would have lost that bet . :-)

Thanks again
72
Stew KE4YH
Dunedin, Florida

Date: Mon, 25 Jan 1999 09:27:44 EST
From: DSJKALLEN@aol.com
To: qrp-1@lehigh.edu
Subject: [30811] Argo 509
Message-ID: <5058db7.36ac7f60@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

What's the going price nowadays for a nice Argo 509 with 208 Audio Filter and 206A Xtal Calibrator?

Tnx,
Don Allen W9CW
Urbana, IL

Date: Mon, 25 Jan 1999 08:23:43 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [30812] PSK31 from an expert! Corrected Addr
Message-ID: <000E9BC1.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Gang,

A thousand pardons, my original message had a mistake
in this web site address.

Here is the correct address for Dick's (N1RCT) excellent
RTTY site. It has some info on PSK31 mode:

<http://www.megalink.net/~n1rct>

73 de Dave, NR3E

Date: Mon, 25 Jan 1999 10:15:48 -0500
From: "brent smith" <brent_smith@ncsu.edu>
To: <qrp-1@lehigh.edu>
Subject: [30813] Fw: Lack of controversy..
Message-ID: <031e01be4875\$9695b640\$277f0198@pc11.tx.ncsu.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

KNOCK ON WOOD !! I asked about QRP kits (Fresh Blood) last week and have
received dozens of replys about the good fearture af many kits but NOT ONE
NEGATIVE COMMENT ABOUT ANY COMPANY OR KIT. What a great response. By the

way, the students put their evaluation on

[http:// W4ATC.ncsu.edu/qrpcomp.html](http://W4ATC.ncsu.edu/qrpcomp.html)

If you want to know how the tech data stacks up on the kits, look there.
(They are not experts, just gathered specs and comments).

>Hi gang!

>

>Just occurred to me while running thru the postings tonite that we haven't
>had a flame-war for a while.

>

>Isn't this a fun list to read thru!

>

>Let's keep it this way.

>

>72, Ade

>

Date: Mon, 25 Jan 1999 09:13:31 +0000

From: "Bryan Turner" <turnerw@email.uah.edu>

To: qrp-1@Lehigh.EDU

Subject: [30814] Re: Fw: Lack of controversy..

Message-ID: <199901251519.JAA23153@uahis1.uah.edu>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Content-Transfer-Encoding: 7BIT

>

>Just occurred to me while running thru the postings tonite that we haven't
>had a flame-war for a while.

>

I think this is a testament to the mail filtering functions. Instead
of getting upset at junk postings I just set my filter so that I
never get mail from the poster again. This saves time while reading
the mail & keeps my blood pressure down.

Have you ever sent a message to someone on the list and not received
a reply? Guess What?!?!?!?

73 Bryan W8LN

Date: Sat, 23 Jan 1999 19:51:52 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [30815] Elmer205
Message-ID: <01BE483C.8E085160.bmug@gwl.com>

OK, I've been playing with spice and after getting perfect results coping Chucks circuits and typing them into spice I thought I try something on my own.

His last circuit was a 1/2 wave rectifier - I wanted to see what a full wave rectifier looked like. I took Chucks circuit and added two more diodes - at the + and - output of the rectifier I got only half of what I was expecting to get. I moved things all around only with worse results.

Plotting v(0) I got an error (can't remember what is said but something like invalid vector). I moved one of the resistors (RL) from 2 0 to 5 0 and tied the ends of the diodes from 0 to 5.

Plotting v(5) I get a square wave in sync with the sine wave at v(2) (I was expecting a sine wave 180 degrees off).

Anyway, following is my circuit and if anyone feels pity on this poor business major I would really like to know what I'm missing.

de KI00T, Brad

PS started studying in earnest for my Extra today - It looks like I will have the time to get my code speed up and learn enough to really pass the test before it all goes away.

Full Wave Rectifier

- * voltage frequency of 60Hz
- * DC offset of 0V
- * time delay of 10mS
- * decay factor of 0.0 and phase angle of 0.0 degrees

V1 1 0 DC 0 SIN(0 1 60Hz 10mS 0.0 0.0)

RS 1 2 50

RL 5 0 50

D1 2 3 1N34A

D2 4 2 1N34A
D3 5 3 1N34A
D4 4 5 1N34A
* RVM 3 0 200K

.MODEL 1N34A D(bv=75 cjo=0.5e-12 eg=0.67 ibv=18e-3
+ is=2e-7 rs=7 n=1.3 vj=0.1 m=0.27)

* Do the analysis for 100mS with 0.25mS resolution

.TRAN 0.25mS 100mS 0.0 0.25mS
.END
*#plot V(3) V(4)

Date: Mon, 25 Jan 1999 10:36:31 -0500
From: "George Heron" <gheron@nac.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [30816] Fireball 40 and the Ugly Weekender
Message-ID: <010401be4878\$9c88a9b0\$2d3d9892@herong.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The NJ-QRP has now received permission to copy and distribute the W7ZOI Ugly Weekender project article with the Jersey Fireball 40 kits!

The reason this is good is that the optional RF amplifier on the FB40b circuit board is based very closely on Wes Hayward's amplifier from his Ugly Weekender transmitter project documented back in Aug 1981 QST. This is a broadband amp that takes the 40mW input from an exciter and boosts it to about 1.5 watts ... pretty important for the FB40 QRPp Tx.

And further good news is that the NJ-QRP is kitting up the parts for this amplifier option ... we're working on the ordering now and will prices shortly. With this "bag o' parts" and the FB40b circuit board you'll be able to put together a pretty decent PA for your FB40 or any other Tx project on your bench needing some muscle. It makes a nice general purpose amp for a Pixie, Tixie, 49er, etc. The parts kit will come with components for 40m operation and instructions to enable you to put it on other bands as well with components you supply (3 LPF caps will need to be changed and the toroid windings will need to be adjusted).

If you previously ordered a Fireball 40 kit (rev A or rev B) and you need a copy of the Ugly Weekender article, just send us a self-addressed stamped envelope (long business-sized one) and we'll get it right back to you. All orders going out as of today will have the article included. [Address your requests to: The NJ-QRP Club, 45 Fieldstone Trail, Sparta, NJ 07871]

72,

--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ
for the NJ-QRP Club at <http://www.njqrp.org>

Date: Mon, 25 Jan 1999 10:48:56 -0500
From: "brent smith" <brent_smith@ncsu.edu>
To: "Niel Skousen" <skousen@srv.net>, <qrp-l@lehigh.edu>
Subject: [30817] kit comparisons url
Message-ID: <001701be487a\$3773f9b0\$277f0198@pc11.tx.ncsu.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

sorry - previous url fer kit comparisons had an embedded <space> correct is
<http://w4atc.ncsu.edu/qrpcomp.html>

-----Original Message-----
From: Niel Skousen <skousen@srv.net>
To: brent_smith@ncsu.edu <brent_smith@ncsu.edu>
Date: Monday, January 25, 1999 10:28 AM
Subject: Re: Fw: Lack of controversy..

>Hi Brent,
>
>the URL did not come through. Could you clarify it for me, I'd like ot
>check out your data compilation... OBTW, Good luck on the project.
>
>FWIW, I'm own the SW30+, the Norcal 40, and an SST . They all are great,
>work well... I'm kind of partial to the NC40 & SST...
>
>Niel

>
>PS: if you want tech reasons, data etc holler... have lab and capable of
>providing much more 'junk' data if desired...
>
>At 10:15 AM 1/25/99 -0500, you wrote:
>>KNOCK ON WOOD !! I asked about QRP kits (Fresh Blood) last week and have
>>received dozens of replys about the good fearture af many kits but NOT ONE
>>NEGATIVE COMMENT ABOUT ANY COMPANY OR KIT. What a great response. By the
>>way, the students put their evaluation on
>>
>> [http:// W4ATC.ncsu.edu/qrpcomp.html](http://W4ATC.ncsu.edu/qrpcomp.html)
>>
>>If you want to know how the tech data stacks up on the kits, look there.
>>(They are not experts, just gathered specs and comments).
>>
>>
>>
>>
>>>Hi gang!
>>>
>>>Just occurred to me while running thru the postings tonite that we
haven't
>>>had a flame-war for a whle.
>>>
>>>Isn't this a fun list to read thru!
>>>
>>>Let's keep it this way.
>>>
>>>72, Ade
>>>
>>
>
>-----
>Niel Skousen Sr. Eng. Scientech / NUSI
>208.525.3742 nskousen@scientech.com WA7SSA/qrp
>

Date: Mon, 25 Jan 1999 11:00:33 -0500
From: "George Heron" <gheron@nac.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [30818] Atlanticon "Fact Sheet"
Message-ID: <015e01be487b\$d8c4dc70\$2d3d9892@herong.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, we're down to about 2 months left before the first big QRP event of the year: Atlanticon! Hopefully you've made your hotel reservations, pre-registered with N2SMH to get your "Atlanticon number" for the many prize drawings, and are generally getting yourselves psyched up to a major fun time with all our QRP friends.

Some NEW news: Bob Berlyn, N1PWU of HB Electronics has agreed to present an interesting perspective on the design and evolution of the 44-Magnum transceiver ... should be as fascinating as the other 6 presenters. And he's donated a couple of the xcvs for the prize drawings too!

Shown below is a "Fact Sheet" for the exciting times we're planning for this QRP forum on March 26-27 here on the east coast. There are LOTS of things happening ... please save this for a compact reference guide to your fun QRP adventures that weekend.

ATLANTICON "FAQs":

- Free admission .. no charge to attend any of the QRP events
- Free copy of the QRP Proceedings to all attendees
- Sponsored & organized by the New Jersey QRP Club
- Friday afternoon "special event" at Space Science Institute (Hubble Telescope control center)
- Friday evening dinner ... "dutch treat" at local buger palace
- Friday night social in large hospitality room ... meet friends, QRP vendors
- Saturday QRP Forum talks by: NN1G, NA5N, K5FO, N2CX, W4RNL, KD1JV and Bob Berlyn
- Saturday evening: QRP project "show 'n tell" and Building Contest
- Sunday: Timonium Hamfest, directly across the street at the fairgrounds
- Where: Holiday Inns Select, (410) 252-7373 for \$69/night room reservations
- Location: Timonium, MD, just off Rt 83 above the Beltway around Baltimore
- NJ-QRP organizing chairman: George Heron, N2APB, email: n2apb@amsat.org
- Pre-registration & badge chairman: David Maliniak, N2SMH, email: dmaliniak@penton.com ... send e-mail to get your badge and number!
- Jersey QRP website containing all Atlanticon information:
<http://www.njqrp.org/atlanticon/>

We're already up to 70+ people registered for the weekend QRP events, and there are still some discount rooms remaining at the hotel. So if you're still on the fence as to whether you can attend, you should make up your mind soon!

See you in Maryland in a couple of months!

--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ
for the NJ-QRP Club: <http://www.njqrp.org>

Date: Mon, 25 Jan 1999 08:05:36 PST
From: "Christopher Brewster" <brewsq@excite.com>
To: qrp-1@Lehigh.EDU
Subject: [30819] Semi and pseudo-QRP
Message-ID: <917280336.19619.114@excite.com>
MIME-Version: 1.0
Content-Type: text/plain

I'm trying to understand what qualifies as QRP. I know about the 10W/SSB and 5W/CW limits. Does this mean a true QRP set has only that power and no more? I've also seen the opinion that true QRP should be homebrews and kits.

In signal terms, what does one get by turning down a standard 100W transceiver to QRP levels? Would I expect more noise? Does the set draw more power than a "true" QRP? [I don't have the equipment to try this out for myself.]

I've also been told about what sound like "semi-QRP" rigs such as the Yaesu FT-7 and the Ten Tec Scout. If these are turned down to QRP levels are they more like "real" QRP than if you turn down a big rig? I might be interested in one of these sets (which might disqualify me from this list :-)) and would like to see these models compared.

One last question: are there "real" QRP sets that include many bands? All I see is single-band sets. I know about the Elecraft, but I don't dare try a \$550 kit at my current skill level.

Thanks--

Christopher Brewster

Get your free, private email at <http://mail.excite.com/>

Date: Mon, 25 Jan 1999 08:09:02 -0800
From: Bill Jones <kd7s@psnw.com>
To: K4AHK@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30820] Re: PSK31
Message-ID: <36AC971D.DEE9B30D@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

K4AHK@ix.netcom.com wrote:

> Where does one read about PSK31 ??

Try the "Official PSK31 WWW Page" at
<http://bipt106.bi.ehu.es/psk31.html>

For pertinent information on the mode and how to use it, download the
Windows/Sound Blaster version and browse through the Help Files. Here
you will find whatever you need to get you up and running on this
exciting new mode.

--

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Mon, 25 Jan 1999 11:20:19 -0500
From: Jeff Davis <jeff@jehosophat.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [30821] OHR500 Review
Message-ID: <19990125112019.A572@jehosophat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Is there an online review somewhere for the OHR500?

Pointers to a URL would be appreciated.

--

72 de Jeff, N9AVG

Date: Mon, 25 Jan 1999 10:21:44 -0600
From: "Robert B. Callahan" <rbcallahan@juno.com>
To: Qrp-L@lehigh.edu
Subject: [30822] OHR 100A
Message-ID: <19990125.102146.3670.0.RBCallahan@juno.com>

For Sale: Oak Hills OHR 100A 20 meters in excellent shape. Built by me about two months ago and now have a Wilderness Radio Sierra as my main QRP radio. (Got it for Christmas) I want more band modules for it so I am selling the OHR. Want \$100.00 and I will ship it to you. I work in the electronics field and would say I did an excellent job of putting it together. Not to brage but for your peace of mind. Interested? Drop me a line at: rbcallahan@juno.com
Thanks,
72's

Bob Callahan KC5T #1792

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 25 Jan 1999 11:16:29 -0500
From: DNT1@daimlerchrysler.com
To: w4pj@w4bkx.ampr.org
Cc: qrp-l@Lehigh.EDU
Subject: [30823] Re: OKAY stupid newbie
Message-ID: <05256704.00596A91.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Scott wrote:

> BTW It looks like the FCC is investigating the 5MHz band. Maybe another
> addition to our Amateur allocations is in the works. (Can you say NEW RIGS?)

No, but I can say "homebrew time!"...

Don T. AI4CW QRP-L#1670 Toney, AL

Date: Mon, 25 Jan 1999 08:34:03 -0800
From: Brian Murrey <brian@iquest.net>
To: qrp-l@lehigh.edu
Subject: [30824] Off my chest
Message-ID: <99Jan25.083518pst.17176@firewall.bellind.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Last night I was working some CW on 40m, keep in mind I haven't been at this very long (abt 4 months. I have never had a QSO with an XE station and I was hearing several last night. I finally make contact with XE1ABE (Hugo somewhere in Mexico) and we're exchanging info. I give him a 259 he gives me a 559 etc etc....we're both QRP. Kewl.

Then, this gazillion watt dude starts firing up on the band, almost a full 10Khz away, and drowns us out completely. This guy had a signal about 9 miles wide and it made me wish I had a secret radio wave destructo button on my NORCAL (someone, add this feature)so's I could blast his gourd with my screaming 1.8 watts of awesome power. Heck, old timey sparkgap didn't hog this much bandwidth. I have his callsign and I am considering sending him some friendly email with advice on getting that Leakmaster 2000 fixed. Gag. With a rig like that, you too could give those pesky BCI generators a run for their money.

I need ID, WA, UT, WY, MT, and NE to finish my "out west" WAS folks. Anyone want to sked with this plowboy from Indiana?

72

--

=====
KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.8w
=====

Date: Mon, 25 Jan 1999 10:34:38 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, brewsq@excite.com
Subject: [30825] Re: Semi and pseudo-QRP
Message-ID: <199901251640.KAA24111@uahis1.uah.edu>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> I'm trying to understand what qualifies as QRP. I know about the 10W/SSB and
> 5W/CW limits. Does this mean a true QRP set has only that power and no more?
> I've also seen the opinion that true QRP should be homebrews and kits.

There is some debate on what is true QRP. The 5W CW - 10W SSB rule is what I follow. Some hams say 5W all modes. (In the old days, QRP was considered running under 100 Watts - i.e. without an external amp.) There are microwatters who cringe at the thought of running over a single Watt. Don't worry too much about a strict definition. If you're like many hams, your power meter is not that accurate at that range.

QRP and home brew are like ham and eggs. You see them on the same plate frequently, but they are not the same thing. QRP does lend itself to building simple kits, though

> In signal terms, what does one get by turning down a standard 100W
> transceiver to QRP levels? Would I expect more noise? Does the set draw more
> power than a "true" QRP? [I don't have the equipment to try this out for
> myself.]

Many QRP rigs are designed for portable operation, taking into account the need to conserve power. Also, many QRP rigs don't have all of the power hungry bells and whistles present on QRO rigs. Lights, meters, microprocessors, speaker amplifiers and other goodies all need power. Designers of QRO rigs assume that the rig will be connected to a hefty AC supply (or auto alternator) able to supply dozens of amps; many of these rigs consume more power on receive than some QRP rigs use on transmit. On the other hand, many QRP rigs lack dual VFO's, DSP, memories, and other goodies now viewed as necessities. Running a QRO rig at QRP levels gives you all of the goodies.

> I've also been told about what sound like "semi-QRP" rigs such as the Yaesu
> FT-7 and the Ten Tec Scout. If these are turned down to QRP levels are they
> more like "real" QRP than if you turn down a big rig? I might be interested
> in one of these sets (which might disqualify me from this list :-) and would
> like to see these models compared.

Don't worry about "real" QRP. Operating QRP is like being pregnant; either you are QRP or you aren't. Personally, I think it is more fun with simple equipment, but that is strictly a matter of taste. Run your station your way and have fun. Don't let busybodies tell you that they are more QRP than you are.

> One last question: are there "real" QRP sets that include many bands? All I
> see is single-band sets. I know about the Elecraft, but I don't dare try a
> \$550 kit at my current skill level.

There are several multi-band QRP kits. Some use modules for each band, and some are digital wonders. On the other hand, for \$500 you could buy a single band kit for almost every band!

73 Bryan W8LN

Date: Mon, 25 Jan 1999 16:38:09 +0000
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30826] Re: fancy posts
Message-ID: <36AC9DF1.1C505623@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>

Hi, everyone,

I may be in the minority, but I happen to like being able to receive nicely formatted e-mail, and when I correspond with people who I *know* have mail clients that support it, HTML is what I send and receive. However, the idea of a list is to reach *everyone* who is interested, so I send my mail through as plain text, which every mail program can read.

Think of it this way. I speak French, and probably so do some people on this list. Now, let's say a bunch of us gather together for a little meeting of avid QRPers. Some of us start having a conversation en francais. Isn't that rude to those who only speak English? To me, HTML or RTF formatted mail on this (or any) list is just as rude, even though I can read it fine.

I use Netscape 4.5 on a Linux box, and in the past I used PMMail on an OS/2 box. Switching to plain text is easy in either case, or in the Windows or OS/2 version of Netscape, or in Outlook, so why not do it?

72,
Caity
KU4QD

Date: Mon, 25 Jan 1999 09:38:02 -0700
From: Larry East <w1hue@amsat.org>
To: Bob Hightower <ki7mn@extremezone.com>
Cc: qrp-1@lehigh.edu
Subject: [30827] RE: Super CMOS Keyer III problem
Message-ID: <3.0.3.32.19990125093802.00923430@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>My Super CMOS Keyer III runs through 9v batteries very quickly. Can't find
>any obvious shorts that would cause this, but a battery will only last
>about a week. Any suggestions?
>72,73
>Bob Hightower KI7MN Chandler, AZ DM43BI
>
Hi Bob --

First of all, 9V is rather high for the CMOS III -- so I assume that you are reducing it either via a three-terminal regulator (78L05, etc.) or a Zener diode. Either scheme will cause increased battery drain. A 78L05 will draw about 0.5mA under no load conditions which is orders of magnitude greater than the 1uA or so that the CMOS III draws when idle. You can directly replace a 78L05 with an LM2936 which will draw less than 15uA when the keyer microprocessor is idle. For a little less "idle current" (about 10uA), you might consider using a MAX663 or MAX666 -- but these are 8-pin ICs and don't directly replace a 78L05.

NOTE: If you replace a 78L05 with an LM2936, you should make sure that the bypass cap at the regulator output is at least 10uF to insure stability.

Hope this helps.

72, Larry W1HUE/7

Date: Mon, 25 Jan 1999 11:40:18 -0500
From: Bill Wetherill <n2wg@wilmington.net>
To: qrp-1@Lehigh.EDU
Subject: [30828] FS: OHR-400

Message-ID: <1.5.4.32.19990125164018.006bc73c@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Still have OHR-400 for sale. Four band QRP rig with internal keyer. Great working condition. Great cosmetically. Guaranteed. \$260. shipped CONUS.

Tnx,

Bill - N2WG

"PURITY OF ESSENCE" --- QRP

Date: Mon, 25 Jan 1999 10:45:50 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30829] Re: Semi and pseudo-QRP
Message-ID: <199901251645.KAA21617x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 25 Jan 1999 08:05:36 PST, "Christopher Brewster" <brewsq@excite.com> wrote:

> I'm trying to understand what qualifies as QRP. I know about the 10W/SSB and
> 5W/CW limits. Does this mean a true QRP set has only that power and no more?
> I've also seen the opinion that true QRP should be homebrews and kits.

Well.... I don't yet have a minature, nomebrew rig, but I do enjoy turning the power down to 5 watts on my HTX-100. It may not be homebrew but as far as I'm concerned it is qrp. I'm sure there are others on the list that will disagree. I asked basically the same question about a week ago and got several very good answers.

> In signal terms, what does one get by turning down a standard 100W
> transceiver to QRP levels? Would I expect more noise? Does the set draw more
> power than a "true" QRP? [I don't have the equipment to try this out for
> myself.]

My HTX-100 does not have more noise, the only difference I can tell is that it doesn't draw as many amps when I am transmitting.

> I've also been told about what sound like "semi-QRP" rigs such as the Yaesu
> FT-7 and the Ten Tec Scout. If these are turned down to QRP levels are they
> more like "real" QRP than if you turn down a big rig? I might be interested
> in one of these sets (which might disqualify me from this list :-) and would
> like to see these models compared.

I don't think you would be disqualified, if they haven't kicked me out yet,
I seriously doubt they will banish you <grin>.

> One last question: are there "real" QRP sets that include many bands? All I
> see is single-band sets. I know about the Elecraft, but I don't dare try a
> \$550 kit at my current skill level.

I'll leave this one alone for the seasoned veterans to answer.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 25 Jan 1999 11:04:56 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30830] Re: fancy posts
Message-ID: <199901251704.LAA25663x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 25 Jan 1999 16:38:09 +0000, "Caitlyn M. Martin" <cait.martin@ibm.net>
wrote:

> Think of it this way. I speak French, and probably so do some people on
> this list. Now, let's say a bunch of us gather together for a little

> meeting of avid QRPers. Some of us start having a conversation en
> francais. Isn't that rude to those who only speak English? To me, HTML or
> RTF formatted mail on this (or any) list is just as rude, even though I can
> read it fine.

I don't think it's the fact that it's another language. HTML just seems to
'muddy up' the waters. As an qrp newcomer and an internet oldtimer (ok so
I've only been using it 10 years, but a lot has changed in that time) I
still think ascii is all that is required for _any_ email message. I guess
I'm just old fashioned :(Thank you Caitlyn for understanding that there are
those of use who use clients that don't like HTML and I look forward to more
of your posts :) Is it just me.... or do Mondays really suck?

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 25 Jan 1999 11:05:47 -0500
From: W5TB <w5tb@SoftHome.net>
To: brewsq@excite.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30831] Re: Semi and pseudo-QRP
Message-ID: <v04011705b2d246d45645@[10.4.13.106]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I'm trying to understand what qualifies as QRP. I know about the 10W/SSB and
>5W/CW limits. Does this mean a true QRP set has only that power and no more?

yes -- that or less by international deffinition for awards, bragging
rights, etc. In the distant past qrp arci defined QRP as 100W or less,
creating great confusion. For many many years now we've gone with the
10W/SSB and 5W/CW limits

>I've also seen the opinion that true QRP should be homebrews and kits.

Opinion only (everybody's got one) Another you'll run into is that "Real" qrpers don't use gain antennas. Hogwash again this is a matter of personal opinion and not in the definition of clubs & awards.

>In signal terms, what does one get by turning down a standard 100W
>transceiver to QRP levels?

About an S unit drop in signal strength -- you'll get plenty of S9 or better qsos at the 5w level.

> Does the set draw more
>power than a "true" QRP?
yes (unless you pull the finals) It's obviously not as efficient but many of us use this. I run a ten tec omni V at 5w or less (it can crank down to just under 1W) most of the time plus have MFJ 20 meter and a homebrew 40 mtr rig for travel. Antennas vary from a random wire to a triband beam up about 33'. I've worked was, wac, dxcc etc and won awards in the qrp division of a number of national contests with this setup (or worse ;-)

The main point is to run 5 watts or less and have fun. This reduces qrm, tv, drains on bank accounts, etc -- and maximizes fun experimenting with rigs, antennas, new modes,... you name it ;-)

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Mon, 25 Jan 1999 12:25:54 -0500 (EST)
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [30832] Lumped quarter-wave lines
Message-ID: <Pine.SOL.3.92.990125121235.16271A-100000@madrox>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In response to Dan N7VE's request last week (I didn't notice any replies on the list),

The RadCom/ham radio VX0 used a symmetric pi network with a series inductor and shunt capacitors. The network has $Q = 1$, so the components have $X_L = X_C = Z_0$, which

was 400 ohms in the article. Probably related to the reactance of the tuning capacitor that was playing inductor.

One accessible reference is W7ZOI's _Introduction to RF Design_, chapter 4.

Apropos PSK31: I didn't worry too much about it misbehaving on my Windows 95 machine, which has myriad other oddities. Besides, I'm supposed to be a computer dweeb who can figure these things out herself. :-)

The Linux version works fine...

A very simple PSK31 transmitter is a DSB/BPSK transmitter (they amount to the same thing), applying the data to a balanced modulator. You'd want a receive offset to produce suitable audio.

Laura Halliday VA3LDH "Que les nuages soient notre
Grid: FN03gs pied a terre..."
 - Hospital/Shafte

Date: Mon, 25 Jan 1999 12:32:34 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30833] Re: fancy posts
Message-ID: <001c01be4888\$b22565a0\$8805010a@myetsko.insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just remember, this is a mail forwarding list. There ARE people out there who receive this on systems that don't have anything to do with the internet, other than as a vehicle for communications.

When traveling, I routinely use a DOS email program that calls into CC:Mail via remote. Browser? Yeah, right! I have one laptop I use that I don't even run Windows on, ANY flavor of windows. It's strictly DOS real mode, due to the nature of some hardware interface.....

If it doesn't really matter, then consider how everyone would feel if I

edited my post in Word, then put them into Adobe pdf format, so that every time you clicked on one of my messages, Adobe would come up?

Mike Yetzko
N1DVJ

On Mon, 25 Jan 1999 16:38:09 +0000, "Caitlyn M. Martin"
<cait.martin@ibm.net> wrote:

> Think of it this way. I speak French, and probably so do some people on
> this list. Now, let's say a bunch of us gather together for a little
> meeting of avid QRPers. Some of us start having a conversation en
> francais. Isn't that rude to those who only speak English? To me, HTML
or
> RTF formatted mail on this (or any) list is just as rude, even though I
can
> read it fine.

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73 Jeff W4JEF

Date: Mon, 25 Jan 1999 09:31:17 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: brian@iquest.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30834] Re: Off my chest
Message-ID: <36ACAA65.29738060@rakefet.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brian Murrey wrote:

>
> Then, this gazillion watt dude starts firing up on the band, almost a
> full 10Khz away, and drowns us out completely. This guy had a signal
> about 9 miles wide

Are you sure his signal was wide, or perhaps your receiver was overloading? The best way to tell is to switch in a 6 or 12 db attenuator (unfortunately, I don't think the Norcal 40 or Sierra has one) and see if the signal gets narrower. If it does, then the problem is your receiver. If not, then his signal really is wide.

Unfortunately, simple receivers are not usually too good with very strong nearby signals. Someone familiar with the Norcal rigs can tell you what kind of front end they use, but I'm sure you can't expect OMNI-VI (or K2!) performance from it.

73,
Vic, K2VCO
Fresno CA

Date: Mon, 25 Jan 1999 12:32:20 -0500
From: DNT1@daimlerchrysler.com
To: SBillingsley@usaninc.com
Cc: qrp-1@Lehigh.EDU, pmk@juno.com
Subject: [30835] RE: 1999 QRP-L Heathkit Hot Water Sprint (HHWS)
Message-ID: <05256704.00605BEB.00@Ingodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Sam wrote:

> No wonder no one responded to my CQ HW it's 1650Z 1/23. HiHi.

> I need to add a third rule to operating contests "Check your contest period
> before you start keying".

I know what you mean, make mine "Make sure you have the contest rules & times posted for memory refreshing on operating times!". I was working the VHF Sweepstakes & had figured on getting on during the HW Sprint but had forgotten what time it was supposed to be! When I got to work this morning I found out

that I had missed it by an hour.

> January 24 16:00z to 20:00z

It's too bad too, because the 6M enhancement went away around 1643 at my QTH. I worked N5SC on 40 at 2110, had a nice QSO going before the QRM set in all around us. It's the first time I've used the HW-8 since fixing the QSK relay so that it would quit hanging on me, still had some minor adjustment on it during the QSO. Operated off of a wall wart & used an old J-43 SK with headphones (the 12V 7Ah/20hr. gell cell was busy running the FT290RII for the Sweepstakes) & vertical, pretty close to a typical "stroll in the country" setup. I do believe I'll get the rig fitted with an RIT/XIT & give it a try during the summer portable. I know this nearby "knob" that's listed on the map at 1793' altitude. Maybe I'll haul it & the battery up there and string up a dipole for the next sprint (as long as it doesn't conflict with one of the VHF contests; after all, you have to catch them on the bands to work them!). Anyway, I thought the operating period started at 2100 & went till 2400/0000 & planned to join in. No wonder I didn't hear CQ HW anywhere on the bands! Either way, I went back to the 2M band shortly after my QSO with Steve when I heard the rig start squawking. Gotta get them grids!

Anyway, I did have one HW QSO (albeit at the wrong time!) & had fun with the old rig. All in all, I'd have to call it a success!

72,

Don T. AI4CW QRP-L#1670 Toney, AL (EM64pw)

Date: Mon, 25 Jan 1999 09:24:35 -0800
From: "James W. Cates" <wager@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [30836] NC-20 mailing begins
Message-ID: <19990125.092935.-184777.0.wager@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Took the first batch of NorCal 20 kits to the post office this morning, and will make another run this afternoon. I hope to ship half this week, and the other half next week.

>From all of us on the project committee, thank you for your support, and for your patience.

jim, WA6GER

Date: Mon, 25 Jan 1999 12:35:07 EST
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [30837] Oscilloscope ideas
Message-ID: <47872e09.36acab4b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello folks,

>From time to time, I see o'scopes discussed on the list. I have an older scope which has taught me a lot and been a handy tool for diagnostics while kit building. Though it was a bargain (Simpson for \$35 at a hamfest) I have about reached the limits of its usefulness. I see scopes advertised from time to time, and most interesting are the units which attach to a computer and make use of the computer CPU and screen. Is this new breed of oscscope reliable and as "good" as a stand alone unit? Can anyone recommend a reputable mail order firm that specializes in scopes?

Thanks for your help,

Robert Sparks AB5ZD

Date: Mon, 25 Jan 1999 11:40:33 -0600 (EST)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@lehigh.edu
Subject: [30838] NVIS freq/TOD etc.
Message-ID: <199901251740.LAA20338@okcforum.org>
Content-Type: text

The recent discussion of NVIS has sparked some thinking on my part, and now I have some questions.

The only sources of information about NVIS that I've found on the web were all military web pages, similar to this one:

<http://www.gordon.army.mil/acd/tcs/hf/2418xtr2.htm>

It introduces the subject pretty well, but it leaves a lot of questions unanswered. And then there's a book that can be ordered, from:

<http://www.wr6wr.com/Books/NVIS.html>

Could folks who've read that book, review it for the rest of us? How complete is the information in it? Would it help answer questions like the ones I pose below? Does it cover mostly antennas, or is it a more well-rounded treatment of the NVIS topic?

Are there any other web pages that anyone knows of that go into NVIS in more depth than the one I mentioned above?

Some things I'm wondering:

--Some of the people who've described their NVIS experiments here have talked about antennas that are very, very low--only a few feet above ground. The web page I referenced above said antennas should be from .1 to .25 wavelengths above ground (for a dipole). Should that actually be 0 to .25 wavelengths?

--What is known about what frequencies will work for NVIS at which times? Are there some simple heuristics which will guide frequency/time decisions? Alternatively, is there software which forecasts NVIS propagation?

--Jim, W7LS, in describing his NVIS experiments with Alan, KB7MBI, indicated that 80M is the right daytime band, and 160M is the right nighttime band. This puts both of these slightly below the frequency boundaries for day and night given on the web page I reference above. I gather this means the web page is wrong?

--How wide is the NVIS window at any given time? Is it wide enough that there's always one ham band or another which will work for NVIS, or must one select one's operating times to coincide with an NVIS window's appearance in a ham band?

This NVIS stuff re-kindles the dilemma I had when I was a kid, back before I got my ham license, and saved my financial scraps for a pair of good 100 mw CB handhelds. It definitely works (only now, for distances at least 100 times further than the walkie-talkies were good for), but you really need someone within that distance to play with, to be reasonably sure of getting to play on any given day! Well, actually, it's easy

enough to make contacts at night, but 40M in the middle of the day can get kind of sparsely populated. (Perhaps we need an NVIS calling frequency, or something!)

Thanks in advance for any information or references!

73,
Jim WB5UDE

Date: Mon, 25 Jan 99 12:32:13 EST
From: jeverhar@cse.l-3com.com
To: lha@sdr.utias.utoronto.ca
Cc: qrp-l@lehigh.edu
Subject: [30839] Re: Lumped quarter-wave lines
Message-ID: <9901251732.AA03929@train11.cse.l-3com.com>

Laura and company,

Actually I replied to Dan (and others) privately.

Here is a list of references I have, some about lumped lines, some other VX0 techniques.

Be forewarned that references 4 and on are in professional literature and may be very theoretically obscure. Ref 6 is the best and most understandable technical reference. I have other references, too but they are of less value than those shown.

I'd be interested if you have any other references on the subject, particularly those that seem credible.

1. Wes Hayward, W7ZOI, "Experimenter's Corner" QRP Quarterly, April 1985, pp 5-7.

An experimenter's version of a lumped constant quarter wave line impedance inverter VX0.

2. Frank W. Noble, W3MT. Phantom-coil VX0" Ham Radio, Jan 1982 pp 66-71.

A ham style VX0 more along the lines of a VFO. Includes some math. Uses a lumped constant quarter wave line impedance inverter.

3. Walter R. Stringer, N8BSG, "Breadboard a VCX0" 73, March, 1989 pp 43-45.

On the surface this looks interesting, but the author does not give info on his varicap and I don't entirely believe his results.

4. Edward S. Marrone, "A Method for the Design of Wide Tuning Range Voltage Controlled Crystal Oscillators", Proceedings of the RF Technology Expo, 1989 pp 123-125.

Butler type oscillators with conventional VXO tuning via varicap. Crystal parallel capacitance is tuned out with parallel inductor.

5. Technical Report ECOM-0504-4, VHF Modulation and Detection Studies Final Report, November 1968.

Shows a VCXO used in the AN/PRC-77 as an FM modulator with some (too few) component values in Figure 6 and 36. Figure A-5 shows a graph of "VCXO Control Characteristic" with a +/- 20 KHz swing over 2 to 5.5 volts DC control voltage. - A teaser since it does not discuss tuning varicap, crystal or tuning inductor parameters. Quarter wave line VXO.

6. Manassewitsch, Vadim "Frequency Synthesizer Theory and Design", Wiley, 1976. pp 389-398

Section 6.6 "Techniques of Frequency Pulling of Crystal-Controlled Oscillators" has a good theoretical but understandable treatment of the subject. Design info is given for both "conventional" and lumped constant "quarter wave line" VXOs.

7. Mortley, W.S. "Frequency-Modulated Quartz Oscillators for Broadcasting Equipment" IEEE Proceedings, Part b, May 1957 pp. 239-249

A very mathematical treatment of the subject. Uses lumped constant quarter wave line impedance inversion with a vacuum tube reactance modulator.

72/73,

Joe E., N2CX

Date: Mon, 25 Jan 1999 12:56:34 -0500
From: Scott Howell <showell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [30840] Ham needs help in Fort Wayne IN
Message-ID: <3.0.5.32.19990125125634.007f3460@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Have a gent in Ft. Wayne who wants to get back on the air. He's living in an apartment for now and is looking for a club in the area. If you know of any clubs or someone who can give him a hand, please contact him at billh@gwmicro.com

He's a blind Ham so I think he's looking for someone that might be able to look at his qth and see what could be done up for an antenna.
ay, another possible Qrper in the making.<g>

tnx es 72/73 de Scott/n3byy

Date: Mon, 25 Jan 1999 12:59:54 -0500
From: Russ Hines <radioruss@fuse.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30841] Re: OKAY Stupid Newbie ??
Message-ID: <36ACB11A.9A799084@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Russ Hines wrote:

>
> The WARC bands are those HF bands U.S. amateurs received in the mid '80's,
> through the World Amateur Radio Conference of 1979.
>

World Administrative Radio Conference.

Corrected for the record. ;-)

Date: Mon, 25 Jan 1999 13:00:24 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [30842] WTB NC20
Message-ID: <36ACB138.7FDF49F7@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you are getting one of the NC20s and want to part with it, drop me a line. My kit queue is empty.

Ed Kwik AB8DF Waterford, MI

Date: Mon, 25 Jan 1999 10:06:18 -0800
From: Brian Murrey <brian@iquest.net>
To: rakefet@rakefet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30843] Re: Off my chest
Message-ID: <99Jan25.100744pst.17179@firewall.bellind.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Vic,

You are absolutely correct. The station in question isn't real close to me though, he's like 380 miles away. I turned my gain almost all the way down and he was still covering 5 or 6 Khz that I could hear. I suppose my high end 40A could be the culprit. <grin> One other suggestion I got was that I'm just a jerk for mentioning this and maybe I should just shut up about it and learn how to work my radio. I'll try the attenuator<s> first though. <heheh>

I was surprised by the flame mail this little story generated. I was just relaying my frustration about trying to work a little CW, on a little radio, with a little power. A little consideration can go a long way. Sorry if I got anyones shorts in a wad. It was completely unintentional.

Vic Rosenthal wrote:

>

> Brian Murrey wrote:

> >

> > Then, this gazillion watt dude starts firing up on the band, almost a
> > full 10Khz away, and drowns us out completely. This guy had a signal
> > about 9 miles wide

>

> Are you sure his signal was wide, or perhaps your receiver was overloading? The
> best way to tell is to switch in a 6 or 12 db attenuator (unfortunately, I don't
> think the Norcal 40 or Sierra has one) and see if the signal gets narrower. If
> it does, then the problem is your receiver. If not, then his signal really is
> wide.

>

> Unfortunately, simple receivers are not usually too good with very strong nearby
> signals. Someone familiar with the Norcal rigs can tell you what kind of front

> end they use, but I'm sure you can't expect OMNI-VI (or K2!) performance from
> it.
>
> 73,
> Vic, K2VCO
> Fresno CA

--

```
=====
KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540
  39.558 N   86.095 W   Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.8w
=====
```

Date: Mon, 25 Jan 1999 13:07:28 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:brewsq@excite.com" <brewsq@excite.com>, "+Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>, //QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [30844] Semi and pseudo-QRP
Message-ID: <199901251309_MC2-67EA-BA24@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Christopher:

There a lots of QRP-only multiband rigs out there. Many/most of them are currentl kits. Current rigs includes the Wilderness Sierra and the OHR500, for example. I also have an older OHR400 which was a 4-bander and QRP CW only (superseded by the OHR500).

Ten-Tec brought out a series of QRP-only rigs several generations ago. I have in mind the ARG0es = 505, 509, and 515, etc. These were full-featured rigs but only gave QRP output. They are highly sought after these days.

The advantage I have in turning a "big" commercial rig is a much better *receiver*--with filtres, dsp, etc. BTW, seems to me most "big" rigs continue to have fairly heavy current draw due to their computers and LED/LCD displays and other built-ins.

QRP is the amount of power out....not how it is produced. So if you buy a FT1000D and run it at 5 watts or less out, you have "true QRP" as surely as does the other guy using a NC-40A or any of the QRP-only, kit-

built rigs.

Just my \$.02 worth :).

72/73,

--Doc Lindsey/K0EVZ

DSBF

P.O. Box 7187

Bismarck, ND 58507

E-Mail 70511.3041@compuserve.com

Date: Mon, 25 Jan 1999 13:23:41 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [30845] PSK31 es IC-706, No Problem
Message-ID: <19990125.132347.-29837.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

My first PSK31 QSO was QRP!
WOW, think I am going to like this mode!

John
N3AAZ
FM19xb

.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 25 Jan 1999 10:27:53 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@lehigh.edu
Subject: [30846] needed: live demo of SW40+, Bay area of CA
Message-ID: <199901251827.KAA10184@heracles.llnl.gov>

I am looking into designs for ultralight/extreme portable rigs and would like

to see a SW40+ in action. Concerns are audio output level and filter sideband rejection. Are there any builders of the Elmer 101 project within reasonable driving distance of Pleasanton CA??

That failing, someone who has both a NC40A and SW40+ could compare/contrast them for the two above criteria. (The NC40A audio and bandwidth are just adequate, nothing extra).

73 Allan K7GT Pleasanton CA

Date: Mon, 25 Jan 1999 18:32:00 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [30847] Best J-pole construction Sketch.
Message-ID: <36ACB8A0.30AC@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks, this has got to be one of the best sketches on building a J-pole.

<http://www.qsl.net/kk7ih/J-pole.html>

And unlike HF antennas, don't expect to measure with a ruler, cut, solder and get a 1:1 VSWR.

Not because this is a J-Pole, but because 1 inch at VHF causes a HUGE change in frequency, where as 1 inch at 80 meters is relatively nothing.

This just FYI. You are on your own scaling to 6 M band or trying wire, or twinlead :)

Step One: Always start with the ARRL Hdbk. And Read it :)
Step Two: Pick up the Antenna Hdbk. Review often.
Step Three: Get or build the antenna analyzer or noise bridge or whatever if you are going to do antennas.

Keep plugging away at it and your antenna knowledge will fulfill your needs.

Now, bach to my hound-hut...or work or sumpin'

--

-Ed AR QRP Millennium QSO's=198/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 25 Jan 1999 10:49:15 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Cc: "Jim Cates" <wager@juno.com>, "David Fifield" <davef@epigram.com>
Subject: [30848] NorCal 20 Ships, More info
Message-ID: <01be4893\$6886a700\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

We all owe a huge thank you to Dave Fifield, Dave Adams, and Bill Jones who drove to Dos Palos Saturday morning and worked feverishly all day long to bag the bags of parts in the NC20 kits. It is a 90 minute drive one way to Dos Palos, and it was quite an effort. Their labor enabled us to ship the kits at least one week sooner than would have been otherwise possible. The board company was only able to supply 295 boards Friday, and we will get the rest on Monday evening. Each board was tested on a bed of nails test fixture (costs \$250 to do, but worth every penny in my opinion). Dave will drive them over to me on Tuesday evening, and I will put them in the bags and seal them during the week and deliver to Jim Saturday.

I had previously put all of the parts in seven small plastic bags and sealed them with a heat sealer. But the bags still had to be placed into a larger bag, and then the cases had to be taped together. When you receive your NorCal 20 kit, you will get it in a priority mail box with a case, manual and a large bag of 7 smaller bags of parts. Here are some things that we would like you to do.

1. Inventory the kit. If you have missing parts, please let me know. NorCal will guarantee to replace any missing part for 30 days. After that, it will be on a part available basis. So please help us out here.
2. Build the kit. We are going to hold off starting the delivery of the kits to the third world countries until several units have been built, in order to see if there are any unforeseen problems. Besides, I need a break. I have kitted over 200 thousand parts since the middle of December, and I am tired.
3. This is important. The kits that Jim has to mail weigh over 1000 pounds total. I delivered 16 boxes of kits yesterday. He will get them out as fast as possible, but it does take time. Jim has to fold the boxes, insert

the manual, insert the case, insert the bag of bags of parts, seal the box, and then reinforce it with tape. Then he has to load them into his car and drive them to the post office. It is a lot of work, and I don't envy him. Here is how you can help. Please don't email Jim or me and ask if we have shipped your kit. One half of the kits will be mailed this week, one half next week. All are being shipped priority mail in the US and airmail for DX. We have a few extra kits in case of errors, so everyone who had their order accepted will get a kit. If we have extra kits left over, they will be sold at a later date, but we are not taking a list. Jim will post when the last kit has been shipped. If you live in the US and have not received your kit 5 days after that announcement, then please, by all means let Jim know of the problem. If you are a DX order, please wait 2 weeks after the announcement of the last shipment to let Jim know.

Thank you to everyone who has been so patient and understanding. This is the biggest project that I have ever been involved with, and it was and is a lot of work. But it will be worth it when you see your kit. Dave Fifield and the design consultants (Mike Gipe, Dave Meacham, Gary Surrency, Paul Harden) have done everything possible to get all of the bugs out of this kit. We have taken extra time to bring it to an end, but wanted to do the job right.

Dave Adams, Bill Jones, Dave Meacham, Gary Surrency, Mike Gipe, Jim Cates and I are the only ones who have seen a NC20 kit, but that will soon change. Who will be the first to get their rig on the air?? Please let us all know when you do it. 72, Doug, KI6DS

Date: Mon, 25 Jan 1999 13:57:57 -0500
From: DNT1@daimlerchrysler.com
To: qrp-1@Lehigh.EDU
Subject: [30849] Re: Semi and pseudo-QRP
Message-ID: <05256704.006832C9.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Here's a QRP rig for you!

> I have a Yaesu FT1000D that I haven't used in a year. It has a problem.
> Of all things....I only used it at 2 watts ...honest.
----- Snip! -----
> It may be the finals although I certainly didn't abuse them at 2 watts!
> This rig is the top of the line Yaesu...the best they have ever made with
> all the bells and whistles. It is *the* best production radio available

> and the best receiver I have ever owned. It is in excellent/mint/as new
> cosmetically. It has the latest rom chip and updates. It has also a new
> matching speaker model SP-5. I have the owners manual and shop manual.
> I have a rig that needs fixin' and neither the time nor the talent to do
> it. I always prided myself as being able to fix anything if given
> enough time I could eventually figure it out. Time is indeed money.
> There is no other flaw other than what I mentioned above.

> Make an offer to buy it and fix it or to fix it.

> 73,

> Jim N2go jskalski@buffnet.net

Why bother to fix it if you're gonna run QRP anyway?

72,

Don T. AI4CW QRP-L#1670 Toney, AL

Date: Mon, 25 Jan 1999 12:02:42 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: "Christopher Brewster" <brewsq@excite.com>, qrp-l@lehigh.edu,
cqclist@mtechnologies.com
Subject: [30850] Re: Semi and pseudo-QRP
Message-ID: <199901251902.MAA08175@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi, Chris--

First, a simple statement with a semi-official tone: QRP is 5W or less output from the rig, measured as Average Power (meaning 5W PEP for CW and 100%modulated modes e.g. RTTY), 10W PEP for SSB). That is the official definition used by the Colorado QRP Club and many other QRP organizations. QRPp is less than one watt, defined as above. There is NO consideration of what the rig is, or what the antenna is, in the above rule.

There are some who believe a QRP rig should not be capable of emitting more than 5W, or that it should be homebrewed, that kits are not homebrewed, that gain antennas (e.g. ERP of more than 5W) is not qrp, and on and on and on, and

the arguments get pretty silly sometimes. For example, one "public figure" maintains he operates "pure QRP" because he uses a dipole and not a gain antenna, conveniently overlooking the fact that a resonant dipole is a gain antenna. The arguments are similar to those about religion and politics and probably matter about as much. If you want to "specialize" that's fine, but at least in CQC we don't discriminate beyond the basic rule.

>>In signal terms, what does one get by turning down a standard 100W transceiver to QRP levels? Would I expect more noise? Does the set draw more power than a "true" QRP? [I don't have the equipment to try this out for myself.] <<

Generally yes and yes. All else being equal, a single band receiver will be better than a multi-band and certainly better than general coverage. The specs on the receivers in most of the single band qrp transceiver kits are equal to or better than the \$1K plus rigs. It's a matter of specialization, e.g. narrow front-end as opposed to broad front-end. A lot of the circuitry (and expense) in the big rigs, like second, third, etc. IF conversions, goes to overcoming the shortcomings of a front-end like a barn door. And they draw more current in receive, some times a LOT more, but if you can operate from a car battery this shouldn't usually be a concern.

>>One last question: are there "real" QRP sets that include many bands? All I see is single-band sets. I know about the Elecraft, but I don't dare try a \$550 kit at my current skill level. <<

IAW the definition above any rig that puts out 5W or less is a QRP rig when it is doing so [g]. That aside, the Sierra from Wilderness Radio is multi-band by virtue of plug-in modules, and the Oak Hills 500 is 5 bands, front switch selectable. Oak hills used to make a 20M/40M dual bander but it's no longer available new. You'll see them offered for sale once in awhile, possibly unbuilt.

The Oak Hills kits are very easy to build (very reminiscent of Heath), but I'd still suggest you start out with a single bander if you haven't built a transceiver before.

That's my 2c worth, money cheerfully refunded, and it will be very interesting to see what other opinions you get [g].

The main thing is to have fun, and I wish you every success.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

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(303)752-3382

--

Date: Mon, 25 Jan 1999 14:09:45 -0500

From: Zack Lau <zlau@arrl.org>

To: qrp-1@lehigh.edu

Subject: [30851] Re: Antenna feed question

Message-ID: <36ACC179.FB097DF0@arrl.org>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I like to design a 6M antenna for an impedance of 24.5 ohms.
That way, I can feed it with a quarter wave of 35 ohm coax
wound into a choke balun.

W1JR has also talked about designing yagis for 50 ohm
impedance, sacrificing just a little gain for a simpler design
with more bandwidth.

--Zack W1VT (+N7IAL) FN41CX Buck Hill RI this past Saturday

Date: Mon, 25 Jan 1999 14:16:18 -0500

From: "Mark Paley" <mpaley@wcnet.org>

To: <qrp-1@Lehigh.EDU>

Subject: [30852] battery help

Message-ID: <009201be4897\$301078c0\$c6ab85cd@mpaley>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm amazed at all of the responses I got concerning a kaput battery that I have. Thanks to all in this newsgroup for making it the best newsgroup I've participated in. With such helpful attitudes as you've shown, amateur radio, especially Qrp, is in fine hands.

Thanks again and 72,
Mark--KF8KL--

<http://www.wcnet.org/~mpaley>
yogis_dad@hotmail.com

Date: Mon, 25 Jan 1999 19:19:04 +0000
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: turnerw@email.uah.edu, qrp-l@Lehigh.EDU
Subject: [30853] Re: Semi and pseudo-QRP
Message-ID: <36ACC3A8.67949B55@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> > I'm trying to understand what qualifies as QRP. I know about the 10W/SSB and
> > 5W/CW limits. Does this mean a true QRP set has only that power and no more?
> > I've also seen the opinion that true QRP should be homebrews and kits.

I agree with the five watt/ten watt rule. For a long time I wouldn't allow any rig that put out more than ten watts into my possession, and when I sell a couple of things, I will return to that rule. It takes away all temptation to operate at higher power levels :) Besides, anyone can work Europe on 20 meters at 100 watts. I like a bit more challenge, which is why I enjoy QRP so much :)

If QRP required homebrewing or kits, I wouldn't qualify. Yes, I learned enough to pass my Advanced class license, and I studied physics in college, so I actually understand and remember some of the theory :) When it comes to putting it to practical application though, I am worse than hopeless.

> > In signal terms, what does one get by turning down a standard 100W
> > transceiver to QRP levels?

If you reduce your power to one tenth of it's previous level, your signal strength drops by 10 db. Now, if your signal was weak to begin with, that means you won't be heard. OTOH, if you had a really strong signal at 100 watts, the only difference at the other end at 5 or 10 watts is that you won't push the other station's S-meter over quite so far :) One of the arts of working QRP is knowing propagation, and knowing on what bands you can succeed at lower output levels at any given time. QRP is a great test of an operator's knowledge and skill.

> > Does the set draw more
> > power than a "true" QRP?

In a word, yes. You have a higher bias current for a higher output PA. Since many of us like to operate portable, this is a huge disadvantage. This is why so many of us prefer simpler "true QRP" rigs to their 100 watt cousins. You'll also find that this means that certain used 10 watt rigs, like the Kenwood TS-130V, actually sell for more than the identical 100 watt TS-130S on the used market. There are less of the lower power rigs out there, and there are enough QRPers now to create a demand.

> > I've also been told about what sound like "semi-QRP" rigs such as the Yaesu
> > FT-7 and the Ten Tec Scout.

The Yaesu FT-7 has a maximum output power of 10 watts. Most people would consider it a true QRP rig. It has no digital display and no bells and whistles, so it's power consumption is pretty low. It has a really decent receiver, which is why it's still popular. There are two big drawbacks to this rig: first, it only covers one 500khz section on 10 meters, and more importantly, there is nowhere to put a CW filter without modifying the radio, and the stock SSB filter is way too wide for comfortable CW operation on a busy band. You can replace that filter with an Inrad CW filter, which turns the FT-7 into a pretty decent CW rig, but renders it useless for SSB operation.

Obviously, if you are really technical, it is possible to modify the rig to switch filters. I'm not that technical.

The Scout puts out 50 watts, and cannot be turned down without opening up the radio. Some QRPers have been known to disconnect the PA, in effect turning them into a 5 watt rig, like the now discontinued Argo.

> > If these are turned down to QRP levels are they
> > more like "real" QRP than if you turn down a big rig?

Well, the answer is really no. Your signal is the same whether you are operating a true QRP rig or a big rig that's been turned down. Only the power consumption can be different.

> > One last question: are there "real" QRP sets that include many bands? All I

> > see is single-band sets. I know about the Elecraft, but I don't dare try a
> > \$550 kit at my current skill level.

Lots of them. Here are some of the commercially built multiband rigs for SSB/CW operations. If I added CW only rigs, the list gets **really** long. Except for the Tokyo HyPower rig I talk about, all of these rigs are out of production and would have to be found on the used market.

The aforementioned TenTec Argo (model 556) is a 5 watt version of the Scout. The TenTec Argonaut II (model 536) is a 5 watt version of the Delta II. The TenTec Argonaut 515 is a five watt, five band rig covering 10-80 meters. The Argonaut 509, a roughly 3 watt version of the Triton IV, covered the same bands, as did the first Argonaut, the 505.

The Kenwood TS-130V is a 10 watt version of the TS-130S, and the TS-120V is a ten watt version of the TS-120S. The Kenwood TS-660, which came out after the 130 series but before the TS-430 puts out 10 watts on 6, 10, 12, and 15 meters. The TS-670 (post-430, pre-440) puts out 10 watts on 6, 10, 15, and 40 meters, and if you have the optional GC-10 General Coverage Receive board installed you can also modify it to transmit on 12 meters. The Kenwood displays draw a fair amount of power, though, so these rigs aren't great for portable operation. Also, they are a bit big for portable ops too.

NCG put out the NCG 7/21/50, 10 watts out on 6, 15, and 40 meters, with a built-in power supply. This rig is pretty rare, and I am sorry I sold mine. Tokyo HyPower puts out a handheld called the HT-750. It puts out 3 watts on 15 and 40 meters, and 2 watts on 6 meters. It is no longer being imported into the US, but it is still being manufactured and is FCC type accepted, so if you really want one, you can order it from Japan. I've already discussed the Yaesu FT-7.

There are 10 watt versions of most popular HF rigs sold in Japan, and occasionally one turns up on the used market here. A Yaesu FT-757SX was advertised on the list not too terribly long ago, for example. These rigs tend to fetch a pretty penny, though.

Is that enough info for you?

72,
Caity
KU4QD

<http://www.caitys-world.com>

(who has owned most of the above rigs at one time or another)

Date: Mon, 25 Jan 1999 13:24:45 -0600 (EST)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@lehigh.edu
Subject: [30854] Reversing lead-acid battery sulfation
Message-ID: <199901251924.NAA22454@okcforum.org>
Content-Type: text

I have in my possession a sealed lead-acid storage battery which has been in storage for many years. Based on what I've read about lead-acid batteries, it seems a safe bet that it suffers from sulfation. Could anyone clue me in about how to go about attempting to reverse sulfation in a lead-acid storage battery?

(This is QRP... it's a 3.2 amp-hour unit, which I'd like to use for portable QRP operation.)

--Jim WB5UDE

Date: Mon, 25 Jan 1999 14:29:12 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [30855] Shack cleaning sale
Message-ID: <85256704.006B0007.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

OK, guys, here goes... QRP/amateur stuff first, some non-QRP later...

1) Ten-Tec Scout 555

Rig is in like-new condition and has never been mobile or in the field to my knowledge. As far as I know, it has never been run at higher than QRP output levels. It is rated for 50 W output. I'm the second owner. However, I know that the original owner used it almost not at all. I've used it only a little more than that. I have band modules for 80, 40, 30, 20, 15 and 10 meters. I have the matching hand mike as well as the matching switching power supply. I do not have the mobile mounting bracket or internal noise blanker, both of which are readily available from Ten-Tec. Have manuals and original boxes for rig and power supply. Asking \$500 or best offer shipped CONUS.

2) LDG QRP automatic tuner

Built stock by yours truly, works FB. In LDG custom case w/ a few light scratches.

Have manual but no power cord. Not used a whole lot. I never thought I'd miss twisting knobs but I did.
\$90 shipped CONUS.

3) MFJ Deluxe Versa Tuner II (MFJ-949C)

Includes built-in 100W dummy load

Cross-needle SWR meter w/ 300-W and 30-W scales

Condition: 6 on a scale of 10. Sort of beat up cosmetically but works FB. \$50 shipped CONUS

4) Bencher BY-1 iambic paddles

These have a soldering-iron burn on the left paddle and are well used but they're functionally perfect. Black base, chromed paddle parts. \$40 shipped CONUS

5) MFJ speaker mike (MFJ-284)

Like new; hardly used if ever. Fits NorCal Cascade and Kenwood HTs (I think).
\$13 shipped CONUS

Now for the non-QRP stuff...

Sony WM-D6C Walkman Professional cassette machine

This is a high-quality stereo cassette recorder with soft case. Comes with Sony stereo microphone. Get a good tape of yourself working that rare DX!

Excellent condition. Have manual. \$125 shipped CONUS.

Thanks for reading through! Please respond direct to dmaliniak@penton.com.

72, David N2SMH

Glen Rock, NJ

Date: Mon, 25 Jan 99 14:27:34 EST

From: jeverhar@cse.l-3com.com

To: qrp-l@lehigh.edu

Cc: jeverhar@cse.l-3com.com

Subject: [30856] LM301 users take heed!

Message-ID: <9901251927.AA04098@train11.cse.l-3com.com>

Gang,

Just a shorty here...

Many of us homebrewers buy parts from surplus suppliers with excellent results. However every once in a while we get a part that misbehaves inexplicably. At

times the surplus guys get them because they are not quite up to snuff.

One of my compatriots and I bought a bunch of LM301's lately at bargain prices. But when we tried to use them, we could not get them to bias properly. Every one of them latched with its output high. After *lots* of head-scratching and digging back thru old literature we found a recommendation that latchup of that device could be prevented by putting diode across the compensation terminals and to pin 1 and cathode to pin 8. Viola! problem solved!

I have used more modern ones (these have early 1980's date codes) without having to resort to the diode so the process must have been improved along the way. I see not reference to the diode in my 1989 National Semiconductor databook. I guess that's why these chips were so cheap! However now we have a heap of good ones to play with.

72/73,

Joe E., N2CX

Date: Mon, 25 Jan 1999 12:49:01 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: brewsq@excite.com, qrp-1@lehigh.edu
Subject: [30857] Re: Semi and pseudo-QRP
Message-ID: <199901251949.MAA12126@rgfn.epcc.edu>

Having been involved since the 1971-72 time period (after meeting a couple of milliwatters in S. Cal- Art Child W6TYP and Alan, Wa6AWD) and after a very large discussion within the ranks, the 5 watt output for cw/am and 10 watt pep for ssb, as I remember reading then, was adopted by ARCI, Gqrp and some of the others of that time period. That has remained to this day with a greater number looking for the thrills of the microwatt chases. The 5 watt limit or less is adhered to when applying for awards and contests. Endorsements for the qrpp and qrppp levels are available, except from the BIG amateur organizations, such as ARRL etc. Not sure if they have come around to endorsing their awards for QRP and QRPP operations. Having been involved since the 1971-72 time period (after meeting a couple of milliwatters in S. Cal- Art Child W6TYP and Alan, Wa6AWD) and after a very large discussion within the ranks, the 5 watt output for cw/am and 10 watt pep for ssb, as I remember reading then, was adopted by ARCI, Gqrp and some of the others of that time period. That has remained to this day with a greater number looking for the thrills of the microwatt chases. The 5 watt limit or less is adhered to when applying for awards and

contests. Endorsements for the qrpp and qrppp levels are available, except from the BIG amateur organizations, such as ARRL etc. Not sure if they have come around to endorsing their awards for QRP and QRPP operations.

So, the bottom line is to operate, have fun and if you need to QRO to 10,15 or even 25 watts to get your message thru, do it.

73 Ray

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Mon, 25 Jan 1999 13:50:02 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30858] Re: Off my chest
Message-ID: <199901251950.NAA29909x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 25 Jan 1999 10:06:18 -0800, Brian Murrey <brian@iquest.net> wrote:

> I was surprised by the flame mail this little story generated. I was
> just relaying my frustration about trying to work a little CW, on a
> little radio, with a little power. A little consideration can go a long
> way. Sorry if I got anyones shorts in a wad. It was completely
> unintentional.

Just wait until you ask a question, like "What makes a QSO?" or "What is the definition of QRP?". I have gotten absolutely wonderful answers to both questions, but did receive on or two flames. It's no big deal.... in fact it's kinda funny <grin>. Well, believe it or not I have learned something from your post, when I originally read it I didn't even think about it being my radio (or yours in this case), so it was a worthwhile post, at least for me!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
```

Date: Mon, 25 Jan 1999 12:55:12 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: brian@iquest.net
Cc: qrp-1@lehigh.edu
Subject: [30859] Re: Off my chest
Message-ID: <199901251954.MAA29880@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:06 AM 1/25/99 -0800, you wrote:

>I was surprised by the flame mail this little story generated. I was
>just relaying my frustration about trying to work a little CW, on a
>little radio, with a little power. A little consideration can go a long
>way. Sorry if I got anyones shorts in a wad. It was completely
>unintentional.

Consideration is the key, no doubt. I overheard a qso on hf the other day,
and one fellow said he was at 100 watts, and wanted to try something. He
turned it down to 50 watts, and asked if there was any difference. After a
few tries, the other party stated that there was no difference at all, that
he could tell. So, the first guy said, "well, I'll go back to 100, then". I
couldn't tell any difference, either, and wanted to get in there and tell
him to try it at lower power, but wimped out. Not QRP, but better than
blasting everyone else out needlessly.

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Mon, 25 Jan 1999 11:53:35 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: we6w@qsl.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30860] Re: Best J-pole construction Sketch.
Message-ID: <36ACCBBF.244F188B@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed,

Try this URL as well.

<http://warp.ampr-umars.umsu.umanitoba.ca/umars/research/jpole.html>

I built 4 of these for my friends, and they work as advertised. I have had a few e-mails with him, and he is a very nice man. I specifically asked if I could "scale" these for other frequencies. Basically he said you could, but it wouldn't be very efficient. I really enjoyed the discussion of J-poles that comes with the plans.

72,
Norm/KQ6SD

Date: Mon, 25 Jan 1999 14:01:51 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <whowell@hq.nasa.gov>, <qrp-1@lehigh.edu>
Subject: [30861] RE: Ham needs help in Fort Wayne IN
Message-ID: <000201be489d\$8cb39fc0\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I had a little idea while reading this and thought I might throw it into the discussion. If this guy will be using an ATU (with random wire, whatever), mebbe someone could brew up a wheatstone (sp?) bridge (The ones I've seen use a little LED that shuts off when the legs are at equal potentials - meaning system is tuned), but instead of an LED use an audio oscillator circuit. That way, he could HEAR when the system is tuned... Whadday'all think?

Nathan
KB0NNV

Date: Mon, 25 Jan 1999 15:16:05 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [30862] LDG tuner sold
Message-ID: <85256704.006F4AE4.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

The LDG QRP tuner offered for sale earlier has been spoken for.

72, David N2SMH
Glen Rock, NJ

Date: Mon, 25 Jan 1999 15:09:05 -0500
From: DNT1@daimlerchrysler.com
To: qrp-l@Lehigh.EDU
Subject: [30863] Re: == NEED SOURCES FOR CW KEYERS ==
Message-ID: <05256704.006EB5CF.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

> There are three keyer types out there that I am familiar with:

> The CMOS III keyer (idiom press)

> The Embedded Research Tick series of keyers

> and the K8+, K9 and K10 (new) keyers from K1EL

Dont forget the Smart Keyer that Joe Lunsford N4YG builds. His contact info is:

Joe Lunsford
1304 Toney Drive
Huntsville, Alabama 35802
n4yg@qsl.net
Phone: 256-881-8278

Date: Mon, 25 Jan 1999 15:21:36 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: nodule01@mail.coin.missouri.edu, "Qrpl_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [30864] RE: Ham needs help in Fort Wayne IN
Message-ID: <21E06269B00ED111BE9B00805F6D0FA35FD3E8@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I would suggest an auto tuner. I use an LDG tuner and a longwire for all HF bands from 80-10 with the same wire. Then you could "OR" the <2 and <1.5 LEDs via diodes to key a transistor/reed relay buzzer or piezo device. Then all you need to do is key the transmitter and wait for the buzzer to trigger (then silence it - switch it off while on the same band). The LDG has an auto tune mode if the SWR goes to 3:1. So thinking the inverse way you could wire the buzzer control to the red LEDs (ie 3:1 and/or TUNE) and if the buzzer goes quiet you're less than 3:1 SWR.

Sam Billingsley AE4GX Atlanta, GA

> -----Original Message-----
> From: Nathan Odle [SMTP:nodule01@mail.coin.missouri.edu]
> Sent: Monday, January 25, 1999 3:02 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Ham needs help in Fort Wayne IN
>
> I had a little idea while reading this and thought I might throw it into
> the
> discussion. If this guy will be using an ATU (with random wire,
> whatever),
> mebbe someone could brew up a wheatstone (sp?) bridge (The ones I've seen
> use a little LED that shuts off when the legs are at equal potentials -
> meaning system is tuned), but instead of an LED use an audio oscillator
> circuit. That way, he could HEAR when the system is tuned... Whadday'all
> think?
>
> Nathan
> KB0NNV
>

Date: Mon, 25 Jan 1999 20:19:17 +0000
From: Ed Loranger <we6w@qsl.net>
To: Norm Melick <henmel@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30865] Re: Best J-pole construction Sketch.
Message-ID: <36ACD1C5.4EC@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Norm Melick wrote:

>
> Hi Ed,
>
> Try this URL as well.
>
> <http://warp.ampr-umars.umsu.umanitoba.ca/umars/research/jpole.html>
<snip>

And I agree. Great reading. Thanks Norm.
-Ed

--
-Ed AR QRP Millennium QSO's=198/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 25 Jan 1999 12:20:07 -0800
From: "Frank West" <ke6vhm@earthlink.net>
To: <brian@iquest.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30866] Re: Off my chest
Message-ID: <014c01be48a0\$87ea5080\$4802b2d1@frank-west>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Brian,

My wife and I enjoyed your story very much. We got a real kick out of your anicdotes. I have experienced similar circumstances and wished I had a secret weapon too.

Sorry you ran into one of the Bozo's that will whine if they were hung with a brand new white rope. Some people just have nothing nice to say.

72 de Frank

Date: Mon, 25 Jan 1999 12:20:19 -0800 (PST)
From: Jim NOUR <n0ur@yahoo.com>
To: =?ISO-8859-1?Q?"MN=A0QRP"?= ALL <mnqrp-1@qth.net>, QRP-L QRP-L <qrp-1@Lehigh.EDU>
Subject: [30867] FOX:(not so)Superbowl Fox NOUR going deep tomorrow!
Message-ID: <19990125202019.7303.rocketmail@send206.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I was planning on a special "Superbowl" fox this week because
I was sure the MN Vikings were going to be in the big game,
but.....if you saw the game you know how I feel.

Please come out and make me feel better tomorrow eve (Tues 1/26 7pm CST,
or Zulu time 1/27 01:00 Z). Look for me between 7.040 and 7.045 kc.
Any stations from Atlanta need not bother trying to call, maybe
next time.

I am going to try and keep up a good pace, after a QSO I will say
"TU" and start listening for the next station so jump right in.
If I don't respond to anyone, throw out your call again.

Thats, NOUR MN JIM #799 (7NN)

Thanks and GL

Jim/NOUR

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 25 Jan 1999 14:32:18 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: brian@iquest.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30868] Re: Off my chest
Message-ID: <36ACD4D2.E5610ECF@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Brian Murrey wrote:

> Then, this gazillion watt dude starts firing up on the band, almost a
> full 10Khz away, and drowns us out completely. This guy had a signal
> about 9 miles wide and it made me wish I had a secret radio wave
> destructo button on my NORCAL (someone, add this feature)so's I could
> blast his gourd with my screaming 1.8 watts of awesome power. Heck, old
> timey sparkgap didn't hog this much bandwidth. I have his callsign and
> I am considering sending him some friendly email with advice on getting
> that Leakmaster 2000 fixed. Gag. With a rig like that, you too could
> give those pesky BCI generators a run for their money.

Brian, I have a KW contest station located 5 miles from me overlooking
my qth from their hilltop. On 160 meters, they pin my s-meter at 60 db
over s9. But even under these extreme conditions, I can copy just about
anything 2-3 khz away. 9 khz away I wouldnt even know they are on.

Sounds to me like its your receiver, not the other guys transmitter.

Good luck, 73 de Dave, N0IT

Date: Mon, 25 Jan 1999 15:44:39 -0500
From: "George Heron" <gheron@nac.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [30869] "Where's my QRP Quarterly?"
Message-ID: <004701be48a3\$89066780\$2d3d9892@herong.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Some people have been getting anxious as to when they'll be getting the
January issue of QRP Quarterly. This is understandable because it's coming
a little later than usual this month, but doubly so because this is a really
neat issue.

I just spoke with the printer - he tells us that they are being mailed this
week, and many of us will receive it before the weekend.

We hope you enjoy this issue of QQ!

73,
--George Heron, N2APB

n2apb@amsat.org
Managing Editor, QRP Quarterly

Date: Mon, 25 Jan 1999 15:45:51 -0500
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-1@lehigh.edu
Subject: [30870] Re: Off my chest
Message-ID: <36ACD7FF.22B7@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave Sjolin wrote:

> Brian Murrey wrote:

> > Then, this gazillion watt dude starts firing up on the band, almost a
> > full 10Khz away, and drowns us out completely. This guy had a signal
> > about 9 miles wide and it made me wish I had a secret radio wave
> > destructo button on my NORCAL (someone, add this feature)so's I could
> > blast his gourd with my screaming 1.8 watts of awesome power. Heck, old
> > timey sparkgap didn't hog this much bandwidth. I have his callsign and
> > I am considering sending him some friendly email with advice on getting
> > that Leakmaster 2000 fixed. Gag. With a rig like that, you too could
> > give those pesky BCI generators a run for their money.

> Brian, I have a KW contest station located 5 miles from me overlooking
> my qth from their hilltop. On 160 meters, they pin my s-meter at 60 db
> over s9. But even under these extreme conditions, I can copy just about
> anything 2-3 khz away. 9 khz away I wouldnt even know they are on.

> Sounds to me like its your receiver, not the other guys transmitter.

It could be the transmitter, too. Some rigs are quite "noisy" and can generate significant phase noise +/- 20 kHz. The key was described earlier by another poster; put in 10 dB of attenuation. If the problem drops by more than 10 dB, it is receiver overload. If it drops by 10 dB, the transmitter is probably the culprit.

73,
Ed, W1RFI
ARRL Lab

> Good luck, 73 de Dave, N0IT

Date: Mon, 25 Jan 1999 12:54:05 -0800
From: W7LS <w7ls@blarg.net>
To: qrp-1@lehigh.edu
Subject: [30871] [Fwd: Re: NVIS freq/TOD etc.]
Message-ID: <36ACD9ED.58BA@blarg.net>
MIME-Version: 1.0
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

X-Mozilla-Status: 0001
Message-ID: <36ACD99E.73F7@blarg.net>
Date: Mon, 25 Jan 1999 12:52:46 -0800
From: W7LS <w7ls@blarg.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: Jim.Horn@ci.seattle.wa.us, psykey@okcforum.org
Subject: Re: NVIS freq/TOD etc.
References: <199901251740.LAA20338@okcforum.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Jim. I'll comment inside the text, below:

Jim Glover wrote:

>
> The recent discussion of NVIS has sparked some thinking
> on my part, and now I have some questions.
>
> The only sources of information about NVIS that I've found
> on the web were all military web pages, similar to this one:
>
> <http://www.gordon.army.mil/acd/tcs/hf/2418xtr2.htm>
>
> It introduces the subject pretty well, but it leaves a lot of
> questions unanswered. And then there's a book that can be
> ordered, from:
>
> <http://www.wr6wr.com/Books/NVIS.html>
>
> Could folks who've read that book, review it for the rest of
> us? How complete is the information in it? Would it help

> answer questions like the ones I pose below? Does it cover
> mostly antennas, or is it a more well-rounded treatment of
> the NVIS topic?
>

The topic is so full that the best thing to do is get that book. It's \$14, I think.

It's a well rounded treatment of NVIS, in general.

> Are there any other web pages that anyone knows of that go
> into NVIS in more depth than the one I mentioned above?

Patricia Gibbons WA6UBE has some nvis info on her paage. She is very much into emergency communications and has done vast testing, including digital modes. I don't know the url. I'll try to find it.

>
> Some things I'm wondering:
>
> --Some of the people who've described their NVIS experiments
> here have talked about antennas that are very, very low--only
> a few feet above ground. The web page I referenced above said
> antennas should be from .1 to .25 wavelengths above ground
> (for a dipole). Should that actually be 0 to .25 wavelengths?

The military uses ssb and digital modes, now. Those modes require more bandwidth and power. The books don't mention CW. I use CW (like the military should STILL do, fer crying out loud....). Hence, with CW, you can have a poorer antenna. An antenna 4 feet up off the dirt, which is NOT the same as 4 feet above ground, will have something like 12 to 14 dB of loss, compared to a dipole that is .2 wavelengths up off the ground (not the dirt). Enven with that loss due to the low dipole, CW still gets through (EEEEEEYEAH!).

>
> --What is known about what frequencies will work for NVIS at
> which times? Are there some simple heuristics which will
> guide frequency/time decisions? Alternatively, is there
> software which forecasts NVIS propogation?

Yes. 80 meters works well during the daytime. 160 was the band for night time, but now with the higher solar flux, 160 is giving way to 80 for night and 40 looks like it should work during daylight (oh, 8am onward). I use a shareware program called 'Bandaidd 3' and set up a 7 mile path to test the propagation. I have heard experts poo-poo that program as flawed, but so far, in my limited testing of nvis-only paths, it's really pretty close. It will plot the freqs that would be appropriate. It is not designed as a nvis program, but will function easily for that.

>
> --Jim, W7LS, in describing his NVIS experiments with Alan,
> KB7MBI, indicated that 80M is the right daytime band, and 160M
> is the right nighttime band. This puts both of these slightly
> below the frequency boundaries for day and night given on the web
> page I reference above. I gather this means the web page is wrong?
> This is correct. You want to be just below the CRITICAL
frequency. The difference between critical frequency and maximum useable
frequency (MUF) is this: The critical frequency is a the maximum freq
that will bounce back to the transmitting station (ionosonde) from right
overhead. It's like radaring the sky, right over your house. Now, to
communicate with someone across the country, you will be using a chunk of
the ionosphere that is located halfway between your stations, assuming
you are dealing with a single hop. The muf presupposes a particular path.
First, it assumes that you know the critical freq, at that point halfway
between your stations, and then, it takes into account the cosine of the
launch angle you have, pointing at that chunk in the sky. Dividing by
that cosine increases the MUF above the critical freq. That's why 10
meters works so dang well. We are using very, very shallow angles, there
is way less noise, amongst other things.

In sum, try one of the propagation programs, using a very short
path of a few miles. Punch in the solar flux, A, and K indices, and take
a look at the prediction.

> --How wide is the NVIS window at any given time? Is it wide
> enough that there's always one ham band or another which will
> work for NVIS, or must one select one's operating times to coincide
> with an NVIS window's appearance in a ham band?

The nviz window is huge. 80 meters was opening up at sunup and
stays till a bit past sundown.

>
> This NVIS stuff re-kindles the dilemma I had when I was a kid,
> back before I got my ham license, and saved my financial scraps
> for a pair of good 100 mw CB handhelds. It definitely works
> (only now, for distances at least 100 times further than the
> walkie-talkies were good for), but you really need someone
> within that distance to play with, to be reasonably sure of
> getting to play on any given day! Well, actually, it's easy
> enough to make contacts at night, but 40M in the middle of
> the day can get kind of sparsely populated. (Perhaps we need
> an NVIS calling frequency, or something!)

> I have buzzed around in the car with a Small Wonder 40 and a
Hamstick (air cooled dummy load) and been able to yak with others pretty
reliably. Ranges were zero to 10 miles, then nothing, and again picking
up from 100 miles out to 500 miles, during the daytime. The skip hole was

100 miles in diameter. Groundwave got me the first 10 miles. Absorption due to the D layer snuffed out things farther than 500 miles. Nighttime increased the range to 1000 miles. I use 1 watt for this work.

> Thanks in advance for any information or references!

>

> 73,

> Jim WB5UDE

Date: Mon, 25 Jan 1999 16:21:30 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [30872] Bencher Paddles sold
Message-ID: <85256704.007547CA.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

The Bencher paddles offered for sale earlier are spoken for.

72, David N2SMH
Glen Rock, NJ

Date: Mon, 25 Jan 1999 16:14:38 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [30873] Re: FOX:(not so)Superbowl Fox NOUR going deep tomorrow!
Message-ID: <199901252118.QAA244194@virtualmaster3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim,

Well how 'bout those Jets? Now that was a sad game.... Without the turnovers I'm sure they'd won that one....

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 25 Jan 1999 16:11:41 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [30874] Still a discount from ByteMark on Amidon products?
Message-ID: <199901252116.QAA246820@virtualmaster3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Does anyone know if there's still a discount for QRP-L members on Amidon products from ByteMark? I think Terry was offering the discount, not sure.

Thanks for help

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 25 Jan 1999 16:27:41 -0400
From: David Maliniak <dmaliniak@penton.com>
To: qrp-l@lehigh.edu
Subject: [30875] Ten-Tec Scout
Message-ID: <36ACD3BC.EDBCCBCE@penton.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> The Scout puts out 50 watts, and cannot be turned down without opening up the
> radio. Some QRPers have been known to disconnect the PA, in effect turning them
> into a 5 watt rig, like the now discontinued Argo.

>
>

The above was posted earlier by Caity, KU4QD. I'd like to point out that the output power of the Scout 555 is in fact adjustable without "opening

up the radio." The pot for such adjustments is accessible through a hole in the bottom of the rig's case. It's not something you'd do during a QSO, maybe, but it's not as difficult as opening the case, either. Some folks have removed the PA and still others that I've heard of have relocated that pot so that it's more accessible.

72, David N2SMH
Glen Rock, NJ

Date: Mon, 25 Jan 1999 15:48:18 -0600
From: Guy Dragoo <GDRAG@proedge.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [30876] Oscilloscope Suggestions
Message-ID: <117783A3E0F4D1119BCD006008AC9E5D0717C7@mail.proedge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I am considering purchasing an used oscilloscope for general alignment and trouble-shooting. Are there any suggestions for minimum specifications and features that I should look for? Also are there any specific types or models that lend themselves to newbies?
Thanks and 73
Guy AC5HL

Date: Mon, 25 Jan 1999 17:30:32 -0500
From: Bob Edwards <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [30877] PSK31, DX
Message-ID: <36ACF088.1EDF71CF@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just talked with John VK3JW, my first DX on PSK.

He is still calling on 14.070.2 at 2230 Z fwiw...

>From the home of the FALCONS !

--

Bob 72/73

/|
/ |

Z'# 114
http://www.qsl.net/w4ed
W4ED nr Atlanta @EM73wt
...."QRP", more from less....

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      |  /  |\
     /| /  E | \
    /_|/____|__\
   [ \--===== -/
```

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Date: Sat, 5 Dec 1998 17:25:41 -0500  
From: Andy C Meng <andymeng@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [30878] scopes  
Message-ID: <19981205.173558.10710.6.andymeng@juno.com>

With the recent oscilloscope questions I thought I'd throw this in. I have used a Tektronix TDS200 series scope. Are they ever nice!!! All kinds of neat stuff you couldn't do with a standard analog one. At about \$1000 they are pretty expensive, but not for a professional unit. We also just couldn't resist buying the RS "probescope" when it went on sale for \$80. You can hook it up to your PC and use the cursors. It's nice for the price. I don't use it usually, I use our other scope because it quicker and easier (just flip the switch).

Also, does anyone have any suggestions for good circuit simulation programs? Any "do not get this" warnings?  
Thanks.

73 de Andy KC8KFI QRP-L #1813 Cincinnati, OH  
E-Mail: andymeng@juno.com E-Mail w/ attachments: kc8kfi@yahoo.com  
URL: http://www.qsl.net/kc8kfi

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-----  
Date: Mon, 25 Jan 1999 22:39:58 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [30879] The accidental Beacon --Side effect of AR Millennium test.  
Message-ID: <36ACF2BE.53E3@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Since the Drake TR-3 died last November, yours truly has been stuck on the lower 70 KHz of 40 meters.

Imagine trying to maintain 8 QSO's each day average on 40 meters only! QRP.

I think they are starting to steer clear of 7040 +/- 5 KHz.

It's that darn WE6W/QRP beacon again!

Just a funny thought.

Anyway, if you hear me, I'm able to reply.

Every time I step into that freezing shack I am calling CQ. In the morning before work. In between chores. On weekends before bed it is CQ CQ every 2 KHz from 7000 to 7045, if it is clear, then it is time for bed.

Am making lots of new friends too! Last night I helped a guy learn on his Bug. He sent some pretty challenging code for sure. Another guy said he liked working me because I never complained about his sending and everyone else disappears on him.

Yes there are a lot of side effects of this intensive year+5 days long contest.

If you stumble across the accidental WE6W beacon, he is me. Catch you on the lower of 40 from 0200-0800Z nightly, if possible.

Best to all es keep the qrp spirt aglow.

--

-Ed AR QRP Millennium QSO's=198/2000  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Mon, 25 Jan 1999 18:05:54 -0500  
From: "Larry H. Lyda" <wa4pjp@volstate.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [30880] Hawaii 15 meters  
Message-ID: <000a01be48b7\$445ccca0\$40338cd1@larry>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just worked Hawaii on 21.058 on 1/2 Watt using Heathkit HW-8.  
Station worked KH6AFS got a 529 report gave him the same.

Bands are opening!

73  
Larry H. Lyda  
WA4PJP  
Spring City, TN

-----  
Date: Mon, 25 Jan 1999 16:19:26 -0800  
From: "Francis Callahan" <colcal@srv.net>  
To: <qrp-l@lehigh.edu>  
Subject: [30881] FS/Trade Hallicrafters S120 Reciever  
Message-ID: <199901252308.QAA25437@srv.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am looking to sdtrade a Hellicrafters S120 reciever for a  
qrp 40 meter unit ,or sell the S120 outright in order to purchase the 40  
meter unit. KF7ET Cal email colcal@srv.net

-----  
Date: Mon, 25 Jan 1999 17:17:37 -0600  
From: cd25d@clnk.com (Bill Slater)  
To: <qrp-l@Lehigh.EDU>  
Subject: [30882] FS/Trade RS dx-394  
Message-ID: <01bc01be48b8\$e5b0bca0\$94e4050c@willies>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I need to rid myself of the DX-394 before I can get a QRP Transceiver. 394  
has 4 years remaining on a 5 year warranty and is in great shape.

cd25d@clnk.com

de KD5GCX Bill

-----  
Date: Mon, 25 Jan 1999 15:30:23 -0800 (PST)  
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
To: qrp-l@lehigh.edu  
Subject: [30883] NC40A case  
Message-ID: <199901252330.PAA11205@heracles.llnl.gov>

Having satisfied myself that the NC40A is the rig of choice for extreme lightweight portable use (backpacking where radio is an extra), I would like to now build up a NC40A to my specs. The kit inevitably comes with the pretty blue case with that pretty snap-on top. As I am going to drill extra holes, throw this in a backpack and generally abuse it, there is no need for a 10 condition case! If someone would like to trade their previously abused but intact case for a pristine one, and, say \$15 exchange , I would like to trade one 'fresh' from Wilderness Radio to you sometime later on this spring. About April.

[BTW: it is spring here now... The daffodils have put up shoots 12 inches high and the manzanita planted here at work have been in full blossom for almost two weeks. This almost makes up for earthquakes and too many people, ... almost]

K7GT Pleasanton CA

-----  
Date: Mon, 25 Jan 1999 23:36:57 +0000  
From: Patrick M Kvitkauskas <pmk@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [30884] HHWS LAST CALL FOR RESULTS  
Message-ID: <19990125.233658.8406.0.pmk@juno.com>

Going to Kinkos tonight to print the base of the certificates. Will start the finishing touches (call sign , rig , QRP-L# , and place tomorrow night.

I did not have enough to make it worth while with the color letterhead so black and white is what I was able to come up with. I think most will enjoy them. Let me know how you

like them when they come in the mail.

72 de Patrick KD4OBQ  
QRP-L# 1009  
HHWS manager

PS any one thinking we should do another  
this year or just leave it a annual ???

AR

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 25 Jan 1999 16:51:04 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: ghanson@uts.cc.utexas.edu (Gary R. Hanson)  
Cc: qrp-1@lehigh.edu  
Subject: [30885] Re: [ FYBO ] Winter Gear List for Texan Field Ops  
Message-ID: <199901252351.QAA10678@usr07.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gary (KJ5VW) wrote:

> After surveying hundreds of QRPer's in Texas, we've come up with a  
> winter gear list for a Texas-style FYBO:

[ ... List snipped ... ]

What? No BBQ ribs?!? That does it, I'm cancelling my  
plane ticket out there. :)

> It's gonna be another demanding FYBO again this year. See ya on the air.

Looks like northern AZ may \*finally\* get some snow  
tonight! Keepin' my fingers crossed. My snowshoes  
just don't seem to work as well on dirt....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."

- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

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End of QRP-L Digest 1347

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